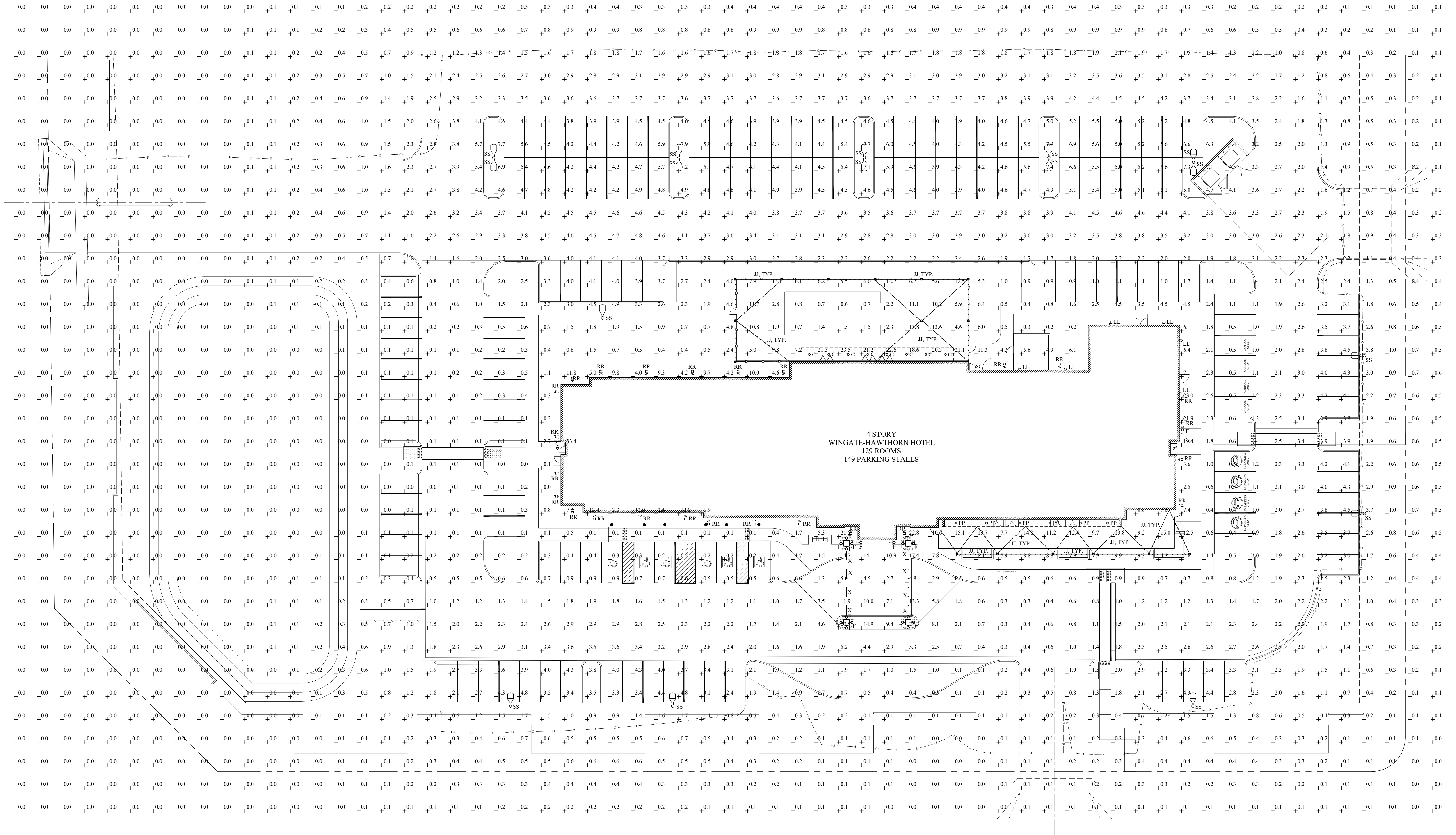




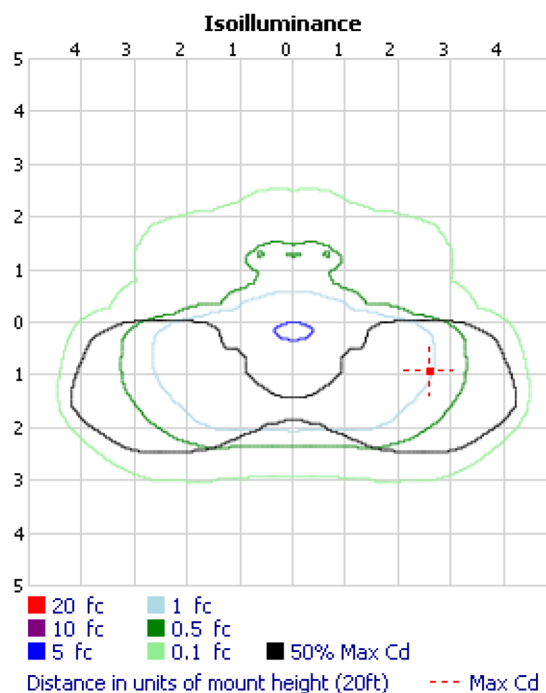
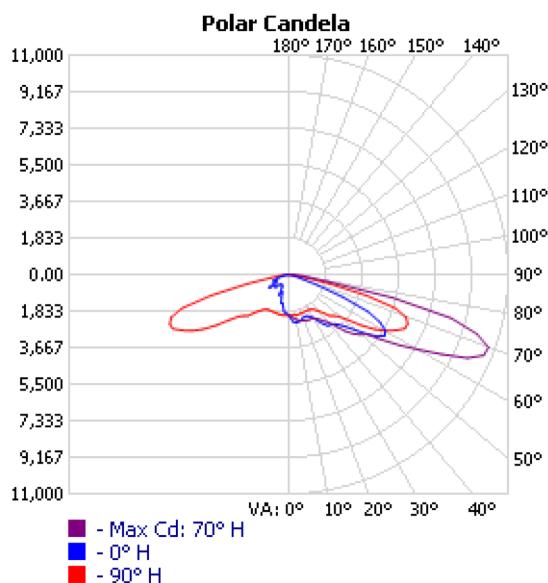
REVISION DATES:
7/20/2021

JOB NO: 20059
DRAWN: D.R.W.
CHECKED:
SCALE: 1" = 20'-0"

OUTDOOR PHOTOMETRIC REPORT

CATALOG: DSX0 LED P6 40K T3M MVOLT

Test #: ISF 33813P17
 Test Lab: SCALED PHOTOMETRY
 Test Date: 3/13/2017
 Catalog: DSX0 LED P6 40K T3M MVOLT
 Description: DSX0 LED P6 40K T3M MVOLT
 Series: D-Series Area Size 0
 Lamp Catalog: PCBA LEM-30 4000K 319A 70 CRI
 Lamp: LED
 Lamp Output: Total luminaire Lumens: 15508.8, **absolute photometry ***
 Ballast / Driver: LED Driver
 Input Wattage: 134
 Luminous Opening: Rectangle (L: 7.92", W: 12.96")
 Max Cd: 10,657.4 at Horizontal: 70°, Vertical: 70°
 Roadway Class: MEDIUM, TYPE III



*Test based on absolute photometry where lamp lumens=lumens total.

*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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ISF 33813P17
 VISUAL PHOTOMETRIC TOOL

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OUTDOOR PHOTOMETRIC REPORT
 CATALOG: DSX0 LED P6 40K T3M MVOLT



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,602.9	10.3%
0-40	2,837.6	18.3%
0-60	8,010.3	51.7%
60-90	7,498.5	48.3%
70-100	3,043.5	19.6%
90-120	0.000	0%
0-90	15,508.8	100%
90-180	0.000	0%
0-180	15,508.8	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	201.1	1.3%	90-100	0.000	0%
10-20	562.1	3.6%	100-110	0.000	0%
20-30	839.7	5.4%	110-120	0.000	0%
30-40	1,234.8	8.0%	120-130	0.000	0%
40-50	1,960.4	12.6%	130-140	0.000	0%
50-60	3,212.3	20.7%	140-150	0.000	0%
60-70	4,454.9	28.7%	150-160	0.000	0%
70-80	2,620.9	16.9%	160-170	0.000	0%
80-90	422.6	2.7%	170-180	0.000	0%

Roadway Summary

Distribution:	TYPE III, MEDIUM	
Max Cd, 90 Deg Vert:	0.000	
Max Cd, 80 to <90 Deg:	1,972.5	
	Lumens	% Lamp
Downward Street Side:	12,073.8	77.9%
Downward House Side:	3,435.0	22.1%
Downward Total:	15,508.7	100%
Upward Street Side:	0.000	0%
Upward House Side:	0.000	0%
Upward Total:	0.000	0%
Total Lumens:	15,508.7	100%

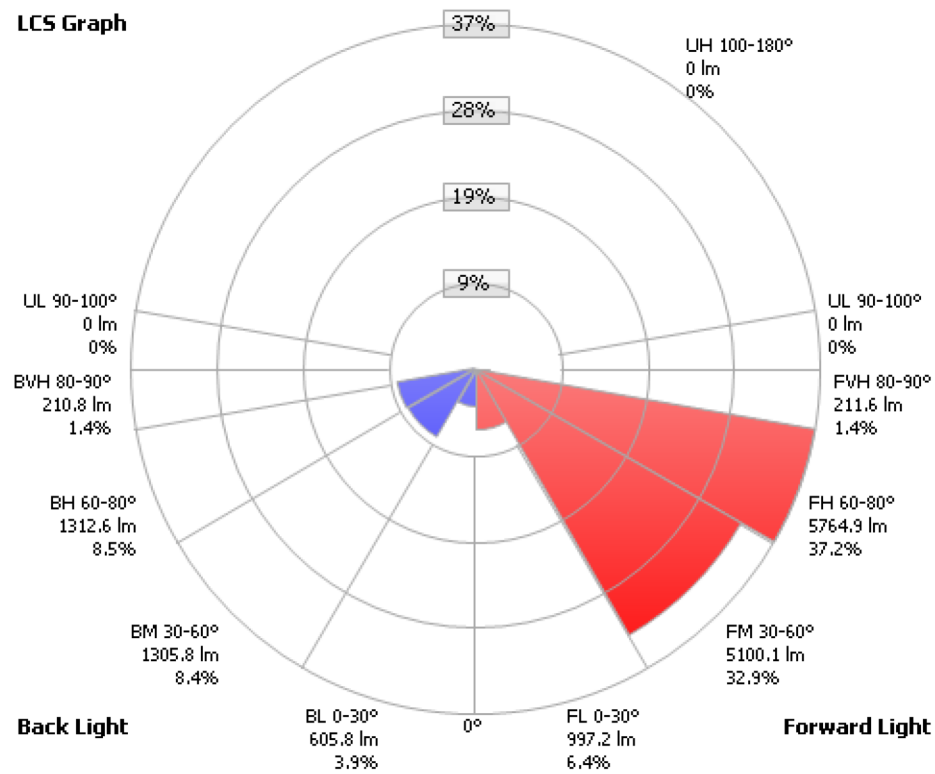
LCS Table

BUG Rating	B3 - U0 - G3	
Forward Light	Lumens	Lumens %
Low(0-30):	997.2	6.4%
Medium(30-60):	5,100.1	32.9%
High(60-80):	5,764.9	37.2%
Very High(80-90):	211.6	1.4%
Back Light		
Low(0-30):	605.8	3.9%
Medium(30-60):	1,305.8	8.4%
High(60-80):	1,312.6	8.5%
Very High(80-90):	210.8	1.4%
Uplight		
Low(90-100):	0.000	0%
High(100-180):	0.000	0%
Trapped Light:	0.0	0%

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: DSX0 LED P6 40K T3M MVOLT



LCS Graph



Back Light

Forward Light

Scale = Max LCS %

Trapped Light: 0 lm, 0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DSX0 LED P6 40K T3M MVOLT

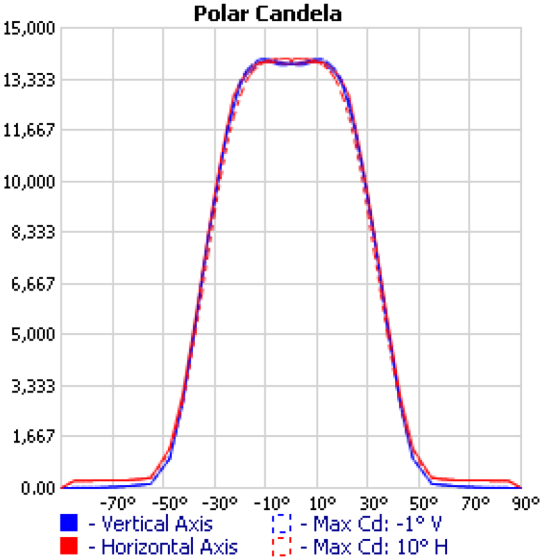


Candela Table - Type C

	0	15	25	35	45	55	65	75	85	90	105	115	125	135	145	155	165	175	180
0	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047
5	2367	2361	2354	2319	2287	2242	2187	2127	2070	2045	1990	1970	1955	1942	1935	1929	1931	1924	1924
10	2422	2430	2430	2428	2425	2398	2339	2237	2112	2054	1959	1933	1914	1883	1819	1741	1684	1652	1650
15	2375	2393	2413	2421	2432	2440	2415	2315	2137	2040	1911	1867	1731	1529	1448	1464	1484	1486	1491
20	2246	2273	2312	2371	2430	2455	2467	2364	2142	2016	1852	1666	1392	1309	1193	1071	999	969	970
25	2291	2327	2359	2385	2438	2461	2476	2423	2165	2021	1770	1392	1121	979	937	983	1091	1122	1134
30	2535	2543	2565	2601	2584	2584	2540	2484	2191	2029	1666	1172	999	1107	996	756	690	669	666
35	3025	3026	3018	3007	2959	2863	2812	2687	2333	2125	1541	1216	1137	854	712	629	616	613	610
40	3264	3392	3553	3595	3535	3444	3239	3036	2703	2402	1457	1336	882	679	615	616	633	642	642
45	3545	3655	3955	4383	4533	4720	4271	3848	3405	2929	1464	1117	748	639	646	675	731	867	892
50	4299	4314	4421	4672	5006	5874	5515	4348	3854	3256	1244	991	722	666	728	986	896	806	790
55	5390	5444	5833	6162	5971	6808	5977	5552	5368	4417	1082	915	752	863	1142	1030	1116	1157	1168
60	5578	5944	6913	8267	8088	7722	7623	7421	7190	5640	1017	979	1152	1530	1363	1567	1065	751	701
65	4382	4792	6247	8552	9534	9514	9803	9562	8758	6415	990	1382	1742	1813	1556	928	786	795	777
70	1555	1970	3250	6372	8467	9257	10354	10251	9023	6270	1227	1779	1866	1313	815	824	853	761	721
75	447	610	836	1836	4299	6860	8097	7900	5992	4016	1424	1547	1464	806	666	576	518	464	443
80	252	326	390	552	862	1430	1903	1752	995	862	1176	1495	948	484	392	355	322	273	262
85	141	191	241	290	329	410	614	585	376	323	771	1137	476	248	203	191	151	98	98
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FLOOD PHOTOMETRIC REPORT
CATALOG: DSXF2 LED P4 50K 70CRI FL

Test #: ISF 211403P12
Test Lab: SCALED PHOTOMETRY
Catalog: DSXF2 LED P4 50K 70CRI FL
Description: DSX Floodlight Luminaire Size 2 P4 Lumen Package 5000K CCT 70CRI Type FL Distribution
Series: D-Series Flood Size 2
Lamp Output: Total luminaire Lumens: 17587.1, absolute photometry *
Input Wattage: 144.6545
Luminous Opening: Rectangle (L: 2.28", W: 9.72")
Nema Type: 5 X 5
Max Cd: 14,001.3 at Horizontal: -1°, Vertical: 10°



*Test based on absolute photometry where lamp lumens=lumens total.
*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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ISF 211403P12
VISUAL PHOTOMETRIC TOOL

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FLOOD PHOTOMETRIC REPORT
 CATALOG: DSXF2 LED P4 50K 70CRI FL



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	10,601.7	60.3%
0-40	14,894.8	84.7%
0-60	16,978.5	96.5%
60-90	609.9	3.5%
0-90	17,588.3	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	1,328.1	7.6%
10-20	3,889.6	22.1%
20-30	5,383.9	30.6%
30-40	4,293.1	24.4%
40-50	1,729.5	9.8%
50-60	354.1	2.0%
60-70	180.5	1.0%
70-80	221.2	1.3%
80-90	208.2	1.2%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	93.2%	16,383.7	94.1	92.7
Beam (50%):	74.1%	13,027.4	67.5	69.1
Total:	100%	17,587.1		

FLOOD PHOTOMETRIC REPORT
 CATALOG: DSXF2 LED P4 50K 70CRI FL

Candela Table - Type B

	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	169	251	255	262	270	269	230	142	12	142	230	269	270	262	255	251	169	0
70	0	246	251	258	264	257	221	131	46	41	46	131	221	257	264	258	251	246	0
60	0	247	254	260	253	222	154	93	90	103	90	93	154	222	253	260	254	247	0
50	0	248	255	256	236	196	240	445	654	694	654	445	240	196	236	256	255	248	0
40	0	249	258	253	243	419	1201	2466	3614	4055	3614	2466	1201	419	243	253	258	249	0
30	0	248	256	261	375	1293	3643	6666	8802	9359	8802	6666	3643	1293	375	261	256	248	0
20	0	249	257	276	621	2688	6799	10830	12858	13132	12858	10830	6799	2688	621	276	257	249	0
10	0	249	259	292	882	3866	8948	12777	13913	13925	13913	12777	8948	3866	882	292	259	249	0
0	0	250	259	294	980	4298	9548	13231	13905	13855	13905	13231	9548	4298	980	294	259	250	0
-10	0	249	259	292	882	3866	8948	12777	13913	13925	13913	12777	8948	3866	882	292	259	249	0
-20	0	249	257	276	621	2688	6799	10830	12858	13132	12858	10830	6799	2688	621	276	257	249	0
-30	0	248	256	261	375	1293	3643	6666	8802	9359	8802	6666	3643	1293	375	261	256	248	0
-40	0	249	258	253	243	419	1201	2466	3614	4055	3614	2466	1201	419	243	253	258	249	0
-50	0	248	255	256	236	196	240	445	654	694	654	445	240	196	236	256	255	248	0
-60	0	247	254	260	253	222	154	93	90	103	90	93	154	222	253	260	254	247	0
-70	0	246	251	258	264	257	221	131	46	41	46	131	221	257	264	258	251	246	0
-80	0	169	251	255	262	270	269	230	142	12	142	230	269	270	262	255	251	169	0
-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Features

- 14AWG SJTW (2-wire LS & LS2, 3-wire ETLS cable with medium and suspended medium base (E26)
- Formulated PVC sockets form a tight seal around bulbs to preclude the entrance of water and moisture
- Suspended socket has T-mold with mounting hole; Non-suspended socket has two mounting ears built into the base
- Use Commercial Grade Light String with Long Life Incandescent Lamps or Pro Decorative lamps; lamps sold separately

Available Colors



Listing / Ratings



E26 Commercial Grade Light String

Use Commercial Grade Light String in reels, interconnect-able kits, or cord and plug sets with three socket size and spacing combinations for decorative/event/festive lighting applications. Suitable for outdoor, year-round use. For spans up to 20 feet, use eye bolts and plastic ties to anchor ends. For spans longer than 20 feet, use catenary cable (sold separately) with plastic ties at each socket.

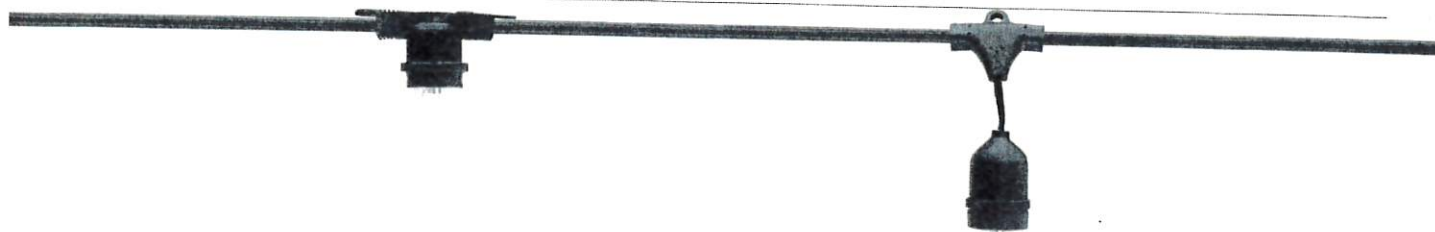
Technical Information

Series	LS / LS2 / ETLS
Input Voltage	120V AC, 60Hz
Wattage	Max per socket: 25W (LS & LS2) / 40W (ETLS)
Max Run	See individual product
Socket	E26 (medium)
Spacing	24" (E26)
Cuttable	Yes* **
IP Rating	IP64**
Rating	Indoor/Outdoor; Suitable for year-round use*
Rated Life	Varies by lamp used

* All LS products are non-rated; LS2 and ETLS interconnect-able kits are cETLus Listed for wet location use, however safety rating is void if product is cut. Not intended for installation in ceilings, soffits, cabinets or other enclosed spaces.

**For non-cut cETLus Listed LS2 product, interconnected strings must be properly sealed and strain relief protected with electrical tape at each connection point. For non-rated LS product, any cut ends must be sealed with LS-M/MS-END and/or electrical tape (ensure proper seal to preclude entrance of water).

Medium (E26) Base • cETLus Listed



TRULUX LIGHTING SYSTEMS

Medium (E26) Base
48ft Interconnectable Sets
24 sockets / 24" socket spacing
25W max per socket / cETLus Listed / 1200W max
14AWG SJTW 2-wire / 120V plug and socket
2-wire interconnectable male/female ends
LS2-M-24-48-BK (Black)



Suspended Medium (E26) Base
48ft Interconnectable Sets
24 sockets / 24" socket spacing
25W max per socket / cETLus Listed / 1200W max
14AWG SJTW 2-wire / 120V plug and socket
2-wire interconnectable male/female ends
LS2-MS-24-48-BK (Black)



TASK LIGHTING

Medium (E26) Base • Non-Rated



DOWNLIGHTING

Medium (E26) Base
48ft 'Cord and Plug' Sets
24 sockets / 24" socket spacing
25W max per socket / 600W max per string
14AWG SJTW 2-wire / 120V plug w/terminated end
LS-M-24-48-GR (Green)

Medium (E26) Base
100ft 'Cord and Plug' Sets
50 sockets / 24" socket spacing
25W max per socket / 1250W max per string
14AWG SJTW 2-wire / 120V plug w/terminated end
LS-M-24-100-BK (Black)

Medium (E26) Base
330ft Bulk Reels
165 sockets / 24" socket spacing
25W max per socket / 1800W max per string
14AWG SJTW 2-wire / No plug or terminated end
LS-M-24-BK (Black)
LS-M-24-GR (Green)

COMMERCIAL GRADE
DECORATIVE LIGHT STRING

Suspended Medium (E26) Base • Non-Rated



ARCHITECTURAL LIGHTING

Suspended Medium (E26) Base
48ft 'Cord and Plug' Sets
24 sockets / 24" socket spacing
25W max per socket / 600W max per string
14AWG SJTW 2-wire / 120V plug w/terminated end
LS-MS-24-48-BK (Black)
LS-MS-24-48-GR (Green)

Suspended Medium (E26) Base
100ft 'Cord and Plug' Sets
50 sockets / 24" socket spacing
25W max per socket / 1250W max per string
14AWG SJTW 2-wire / 120V plug w/terminated end
LS-MS-24-100-BK (Black)
LS-MS-24-100-WH (White)

Suspended Medium (E26) Base
330ft Bulk Reels
165 sockets / 24" socket spacing
25W max per socket / 1800W max per string
14AWG SJTW 2-wire / No plug or terminated end
LS-MS-24-BK (Black)
LS-MS-24-GR (Green)
LS-MS-24-WH (White)

POWER SUPPLIES

Accessories

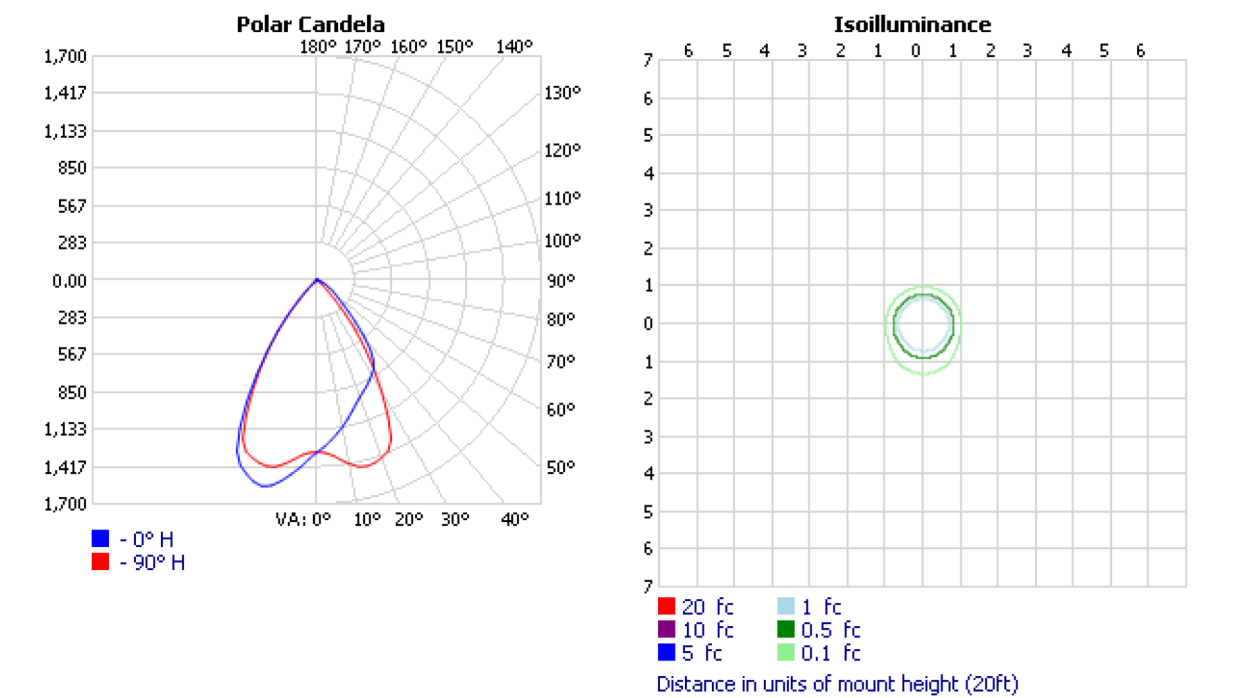


CGLS End Caps
Black plastic end cap for 14AWG SJTW
Commercial Grade Light String
LS-M/MS-END (Black)

INDOOR PHOTOMETRIC REPORT

CATALOG: LDN4CYL 27/20 LW4 WR

Test #: ISF 31743P373
Test Lab: SCALED PHOTOMETRY
Catalog: LDN4CYL 27/20 LW4 WR
Description: 4IN LDN CYLINDER WALLWASH, 2700K, 2000LM, WHITE, CRI80
Series: LDN4 Cylinder Series
Lamp Output: Total luminaire Lumens: 1680, absolute photometry *
Input Wattage: 22.12
Luminous Opening: Circular (Dia: 3.96")
Cie Class: Direct
Max Cd: 1,618.5 at Horizontal: 180°, Vertical: 15°
Spacing Criterion: @ 0 = 0.95 / @ 90 = 1.14



*Test based on absolute photometry where lamp lumens=lumens total.
*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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INDOOR PHOTOMETRIC REPORT
 CATALOG: LDN4CYL 27/20 LW4 WR

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,056.1	62.9%
0-40	1,464.4	87.2%
0-60	1,650.4	98.2%
60-90	29.5	1.8%
70-100	8.7	0.5%
90-120	0.000	0%
0-90	1,679.9	100%
90-180	0.2	0%
0-180	1,680.0	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	128.3	7.6%	90-100	0.000	0%
10-20	386.4	23.0%	100-110	0.000	0%
20-30	541.4	32.2%	110-120	0.000	0%
30-40	408.3	24.3%	120-130	0.000	0%
40-50	142.2	8.5%	130-140	0.000	0%
50-60	43.9	2.6%	140-150	0.0	0%
60-70	20.8	1.2%	150-160	0.1	0%
70-80	7.5	0.4%	160-170	0.0	0%
80-90	1.2	0.1%	170-180	0.002	0%

Average Luminance (Cd/m2)

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	164312	164312	164312	164312	164312	164312	164312	164312	164312
45	59293	54252	39369	23045	19204	19204	19684	20165	19204
55	31961	29890	19236	5919	2959	2368	2663	2959	2959
65	17271	16066	11246	4016	2008	1607	1607	2008	2008
75	7870	7870	5247	2623	1312	1312	1312	1312	1312
85	3895	3895	1948	1948	0	0	0	0	0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00	1.00	1.00	1.00
1	1.13	1.10	1.07	1.05	1.11	1.08	1.05	.93	1.04	1.02	1.00	1.00	.98	.97	.97	.95	.94	.92	.92	.92	.92
2	1.07	1.02	.97	.93	1.05	1.00	.96	.86	.97	.93	.90	.93	.91	.88	.91	.89	.87	.85	.85	.85	.85
3	1.01	.94	.88	.84	.99	.92	.87	.79	.90	.86	.82	.87	.84	.81	.85	.82	.80	.78	.78	.78	.78
4	.95	.87	.81	.76	.93	.86	.80	.73	.84	.79	.75	.82	.77	.74	.80	.76	.73	.72	.72	.72	.72
5	.90	.81	.74	.70	.88	.80	.74	.67	.78	.73	.69	.76	.72	.68	.75	.71	.68	.66	.66	.66	.66
6	.85	.75	.69	.64	.83	.74	.68	.62	.73	.67	.63	.71	.67	.63	.70	.66	.63	.61	.61	.61	.61
7	.80	.70	.64	.59	.79	.70	.63	.58	.68	.63	.59	.67	.62	.58	.66	.61	.58	.57	.57	.57	.57
8	.76	.66	.59	.55	.75	.65	.59	.54	.64	.58	.54	.63	.58	.54	.62	.57	.54	.53	.53	.53	.53
9	.72	.62	.55	.51	.71	.61	.55	.50	.60	.55	.51	.59	.54	.51	.58	.54	.50	.49	.49	.49	.49
10	.68	.58	.52	.48	.67	.57	.51	.47	.57	.51	.47	.56	.51	.47	.55	.50	.47	.46	.46	.46	.46

INDOOR PHOTOMETRIC REPORT
 CATALOG: LDN4CYL 27/20 LW4 WR

Candela Table - Type C

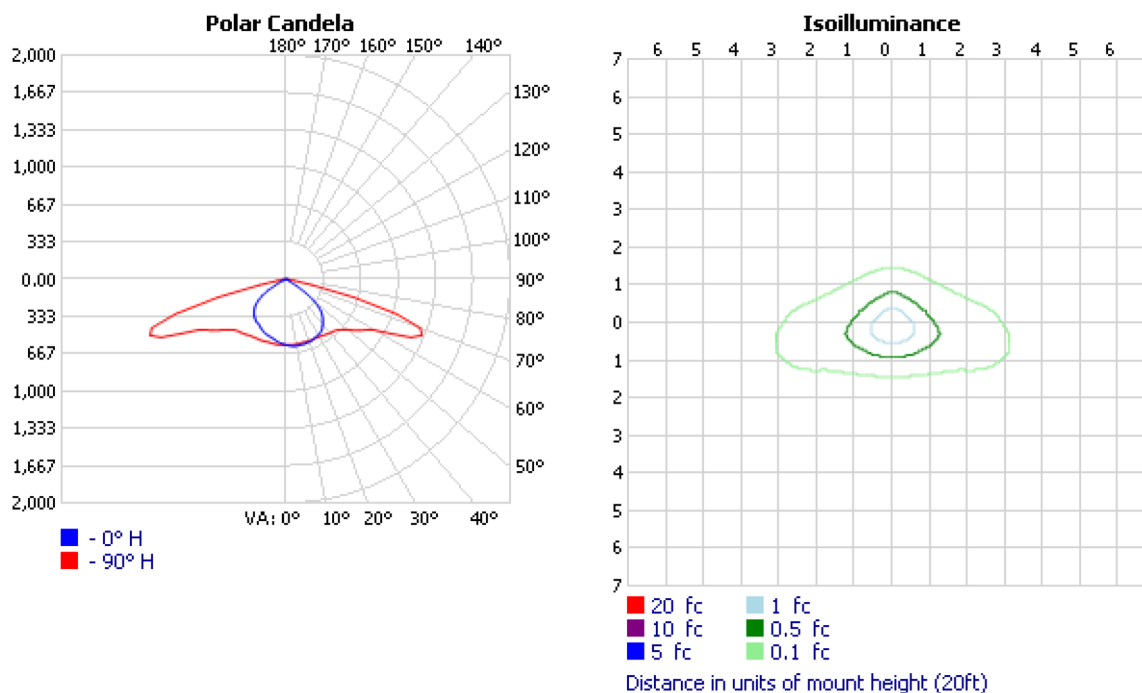
	0	22.5	45	67.5	90	112.5	135	157.5	180
0	1306	1306	1306	1306	1306	1306	1306	1306	1306
5	1219	1229	1257	1292	1335	1372	1400	1418	1426
10	1126	1155	1219	1306	1416	1481	1527	1543	1547
15	1028	1057	1157	1287	1463	1528	1605	1597	1619
20	945	966	1063	1262	1435	1515	1551	1551	1565
25	889	894	958	1160	1330	1395	1412	1424	1434
30	828	830	812	901	982	1010	1030	1051	1063
35	743	739	658	634	630	631	634	650	651
40	548	523	432	349	329	330	334	339	330
45	333	305	221	129	108	108	111	113	108
50	213	197	124	43	24	22	23	24	26
55	146	136	88	27	13	11	12	13	13
60	96	88	59	19	11	8	8	11	11
65	58	54	38	13	7	5	5	7	7
70	32	30	22	8	5	4	4	5	5
75	16	16	11	5	3	3	3	3	3
80	8	8	5	3	1	1	1	1	1
85	3	3	1	1	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	1	0
155	1	0	0	0	0	0	0	1	1
160	0	0	0	0	0	0	0	0	1
165	0	0	0	0	0	0	0	0	1
170	0	0	0	0	0	0	0	0	1
175	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0

INDOOR PHOTOMETRIC REPORT

CATALOG: MRW LED P1 SR2 40K MVOLT



Test #: ISF 37792P4
 Test Lab: SCALED PHOTOMETRY
 Test Date: 3/22/2018
 Catalog: MRW LED P1 SR2 40K MVOLT
 Description: MRW LED WITH P1-PERFORMANCE PACKAGE, 4000K, AND SR2 OPTIC TYPE
 Series: MRW-LED
 Lamp: LED
 Lamp Output: Total luminaire Lumens: 2250.8, **absolute photometry ***
 Ballast / Driver: LED DRIVER
 Input Wattage: 19.56
 Luminous Opening: Rectangle (L: 4.56", W: 5.04")
 Cie Class: Direct
 Max Cd: 1,985.2 at Horizontal: 77.5°, Vertical: 67.5°
 Spacing Criterion: @ 0 = 1.44 / @ 90 = 1.6



*Test based on absolute photometry where lamp lumens=lumens total.

*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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ISF 37792P4
VISUAL PHOTOMETRIC TOOL

PUBLISH
PAGE 1 OF 3

INDOOR PHOTOMETRIC REPORT
 CATALOG: MRW LED P1 SR2 40K MVOLT

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	476.5	21.2%
0-40	816.5	36.3%
0-60	1,629.8	72.4%
60-90	621.1	27.6%
70-100	212.4	9.4%
90-120	0.000	0%
0-90	2,250.8	100%
90-180	0.000	0%
0-180	2,250.8	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	55.9	2.5%	90-100	0.000	0%
10-20	162.4	7.2%	100-110	0.000	0%
20-30	258.2	11.5%	110-120	0.000	0%
30-40	340.0	15.1%	120-130	0.000	0%
40-50	397.8	17.7%	130-140	0.000	0%
50-60	415.4	18.5%	140-150	0.000	0%
60-70	408.7	18.2%	150-160	0.000	0%
70-80	198.9	8.8%	160-170	0.000	0%
80-90	13.5	0.6%	170-180	0.000	0%

Average Luminance (Cd/m2)

	0	15	35	55	75	85	95	115	135	155	175
0	39630	39630	39630	39630	39630	39630	39630	39630	39630	39630	39630
45	43503	45096	52495	62749	67759	64375	57871	44896	36302	34046	37895
55	25322	28022	48762	79852	112170	103415	85088	51789	34158	28922	30395
65	3498	3498	6829	85612	286984	242401	154235	53299	15879	6107	5219
75	3989	3989	5077	10698	224105	196182	158288	11241	5077	3445	3626
85	3231	2423	5923	8884	13192	10769	28806	8615	3769	3231	2423

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	10	50	30	20	10	50	30	20	10	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.02	1.02	1.00
1	1.08	1.03	.99	.94	1.05	1.01	.97	.83	.96	.93	.90	.93	.90	.87	.89	.87	.85	.85	.85	.85	.82
2	.97	.88	.81	.75	.94	.86	.80	.68	.83	.77	.72	.79	.75	.70	.76	.72	.69	.69	.69	.69	.67
3	.88	.76	.67	.60	.85	.75	.66	.56	.72	.65	.59	.69	.63	.58	.66	.61	.57	.57	.57	.57	.54
4	.80	.67	.57	.50	.77	.65	.56	.47	.63	.55	.49	.60	.54	.48	.58	.52	.47	.47	.47	.47	.45
5	.73	.59	.49	.42	.70	.58	.49	.40	.55	.47	.41	.53	.46	.41	.51	.45	.40	.40	.40	.40	.38
6	.67	.52	.43	.36	.65	.51	.42	.35	.50	.42	.36	.48	.41	.35	.46	.40	.35	.35	.35	.35	.33
7	.62	.47	.38	.31	.60	.46	.37	.30	.45	.37	.31	.43	.36	.31	.42	.35	.30	.30	.30	.30	.28
8	.57	.43	.34	.28	.55	.42	.33	.27	.41	.33	.27	.39	.32	.27	.38	.32	.27	.27	.27	.27	.25
9	.53	.39	.30	.25	.52	.38	.30	.24	.37	.30	.24	.36	.29	.24	.35	.29	.24	.24	.24	.24	.22
10	.50	.36	.28	.22	.48	.35	.27	.22	.34	.27	.22	.33	.27	.22	.32	.26	.22	.22	.22	.22	.20

INDOOR PHOTOMETRIC REPORT
 CATALOG: MRW LED P1 SR2 40K MVOLT



Candela Table - Type C

	0	15	25	35	45	55	65	75	85	90	105	115	125	135	145	155	165	175	180
0	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588
5	599	598	601	599	599	597	591	592	588	589	587	583	579	578	575	573	571	572	573
10	603	602	606	606	607	604	597	596	589	588	580	572	564	560	556	553	550	552	551
15	602	601	606	607	612	610	603	598	588	584	566	550	538	533	531	531	530	534	533
20	597	596	603	611	619	619	616	610	594	588	555	532	513	506	506	511	515	520	521
25	586	585	596	609	624	630	628	621	600	589	548	518	495	484	477	485	491	497	499
30	575	575	586	604	625	639	642	634	606	593	542	510	484	463	448	452	465	472	474
35	555	557	571	597	621	647	662	656	623	606	539	498	468	439	423	421	445	457	460
40	511	519	541	578	614	651	685	681	646	622	536	484	445	411	396	392	417	434	436
45	456	473	506	550	602	658	699	710	675	643	535	471	420	381	362	357	378	397	400
50	372	391	441	511	584	675	762	803	751	700	549	460	390	342	319	312	327	345	348
55	215	238	307	415	539	679	857	954	880	800	578	440	343	291	261	246	249	258	260
60	42	58	104	226	420	648	938	1147	1049	909	566	399	286	211	161	133	116	116	112
65	22	22	25	43	197	536	1121	1798	1519	1229	584	334	185	100	53	38	34	33	33
70	18	17	18	23	38	224	1074	1811	1605	1275	510	193	61	27	20	19	19	19	20
75	15	15	17	19	24	41	528	860	753	628	291	43	26	19	14	13	13	14	18
80	9	8	11	17	19	17	79	79	78	74	71	24	14	12	10	9	8	8	13
85	4	3	4	8	15	11	10	17	14	19	34	11	7	5	4	4	3	3	8
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0