

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P383864

Luminaire Tested: **24ID-65-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-65-L840-CFR1
Description: 2X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

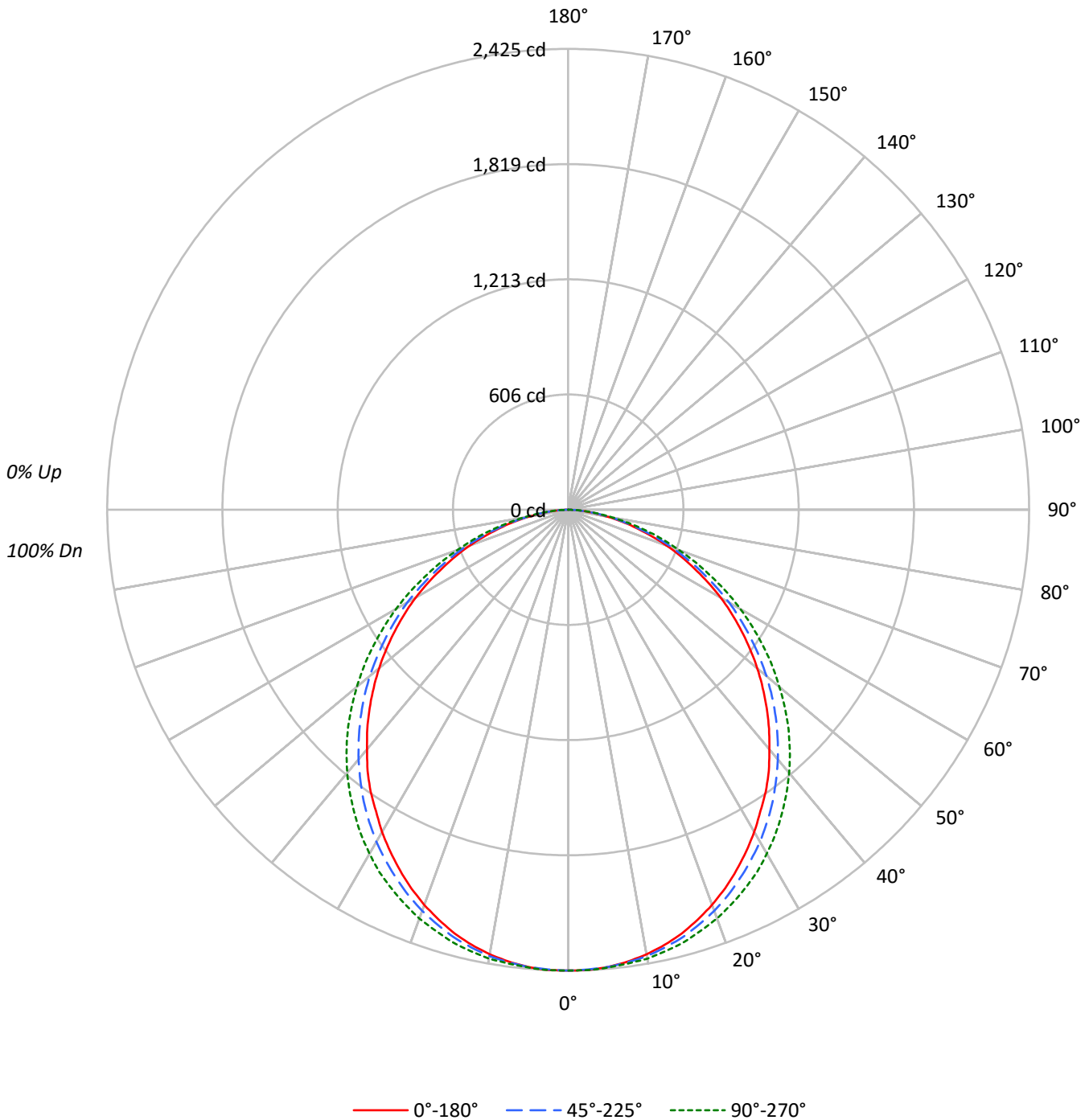
Lumens per Lamp: N/A
Luminaire Lumens: 6586.1 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92		94	91	89		90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76		82	78	74		79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64		73	67	63		70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55		65	59	54		63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47		58	52	47		57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42		53	46	41		51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3263	3263	3263
5°	3262	3262	3266
10°	3245	3259	3277
15°	3216	3244	3281
20°	3169	3216	3278
25°	3108	3177	3266
30°	3042	3135	3248
35°	2977	3080	3216
40°	2892	3014	3177
45°	2812	2938	3120
50°	2718	2850	3037
55°	2611	2743	2938
60°	2496	2630	2817
65°	2331	2468	2637
70°	2163	2281	2437
75°	1929	2032	2205
80°	1617	1695	1848
85°	1227	1227	1380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.5	3.5
10°-20°	656.7	10.0
20°-30°	987.5	15.0
30°-40°	1174.7	17.8
40°-50°	1195.3	18.1
50°-60°	1051.9	16.0
60°-70°	771.7	11.7
70°-80°	418.8	6.4
80°-90°	99.9	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1873.7	28.4
0°-40°	3048.4	46.3
0°-60°	5295.7	80.4
0°-90°	6586.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6586.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2425	2425	2425	2425	2425	
5°	2415	2412	2415	2415	2418	229
15°	2309	2312	2329	2342	2356	650
25°	2094	2107	2140	2177	2200	964
35°	1812	1825	1875	1931	1958	1132
45°	1478	1491	1544	1610	1640	1139
55°	1113	1130	1170	1226	1252	995
65°	732	745	775	808	828	728
75°	371	378	391	411	424	394
85°	80	80	80	86	89	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2425.1	2425.1	2425.1	2425.1	2425.1
2.5°	2425.1	2421.7	2421.7	2421.7	2425.1
5°	2415.1	2411.8	2415.1	2415.1	2418.4
7.5°	2398.6	2395.2	2401.9	2405.2	2408.5
10°	2375.4	2375.4	2385.3	2391.9	2398.6
12.5°	2345.5	2348.9	2358.8	2368.7	2378.7
15°	2309.1	2312.4	2329.0	2342.2	2355.5
17.5°	2262.7	2269.3	2289.2	2309.1	2322.4
20°	2213.0	2223.0	2246.2	2272.7	2289.2
22.5°	2156.7	2170.0	2196.5	2229.6	2246.2
25°	2093.8	2107.0	2140.1	2176.6	2199.8
27.5°	2027.5	2044.1	2080.5	2123.6	2150.1
30°	1957.9	1974.5	2017.6	2063.9	2090.5
32.5°	1881.7	1901.6	1948.0	2001.0	2027.5
35°	1812.2	1825.4	1875.1	1931.4	1957.9
37.5°	1732.7	1749.2	1795.6	1855.2	1885.1
40°	1646.5	1663.1	1716.1	1775.7	1808.9
42.5°	1563.7	1576.9	1630.0	1696.2	1726.0
45°	1477.6	1490.8	1543.8	1610.1	1639.9
47.5°	1388.1	1404.7	1454.4	1517.3	1547.1
50°	1298.7	1311.9	1361.6	1421.2	1451.1
52.5°	1205.9	1219.2	1265.5	1325.2	1355.0
55°	1113.1	1129.7	1169.5	1225.8	1252.3
57.5°	1020.4	1036.9	1073.4	1126.4	1149.6
60°	927.6	940.9	977.3	1023.7	1046.9
62.5°	828.2	838.2	874.6	921.0	940.9
65°	732.2	745.4	775.2	808.4	828.2
67.5°	642.7	649.3	675.8	712.3	725.5
70°	549.9	556.6	579.8	609.6	619.5
72.5°	457.2	467.1	483.7	510.2	523.4
75°	371.0	377.7	390.9	410.8	424.1
77.5°	288.2	291.5	301.5	318.0	328.0
80°	208.7	212.0	218.7	231.9	238.5
82.5°	139.1	142.5	145.8	152.4	159.0
85°	79.5	79.5	79.5	86.1	89.4
87.5°	29.8	26.5	26.5	26.5	26.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)