

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: P383812

Luminaire Tested: **22ID-65-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383812
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: 22ID-65-L840-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

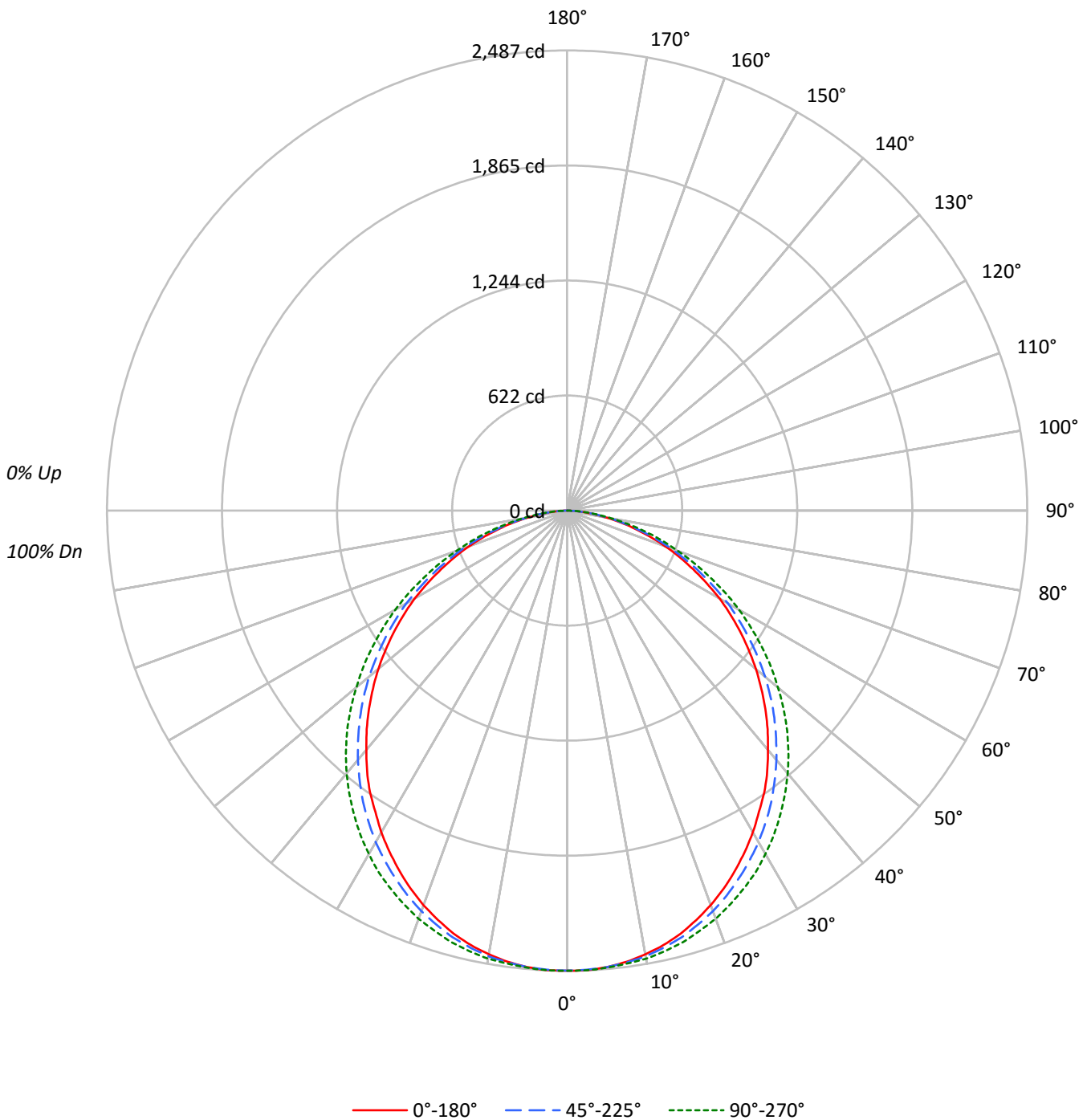
Lumens per Lamp: N/A
Luminaire Lumens: 6753.8 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 56.6
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°	6692	6692	6692
5°	6690	6690	6699
10°	6656	6684	6721
15°	6597	6654	6729
20°	6499	6596	6722
25°	6375	6516	6698
30°	6239	6429	6661
35°	6105	6317	6596
40°	5931	6182	6516
45°	5766	6025	6400
50°	5575	5845	6229
55°	5355	5626	6025
60°	5119	5394	5778
65°	4781	5062	5408
70°	4437	4677	4998
75°	3956	4168	4522
80°	3316	3474	3790
85°	2516	2516	2831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.4	3.5
10°-20°	673.5	10.0
20°-30°	1012.6	15.0
30°-40°	1204.6	17.8
40°-50°	1225.7	18.1
50°-60°	1078.7	16.0
60°-70°	791.3	11.7
70°-80°	429.5	6.4
80°-90°	102.5	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°	1921.4	28.4
0°-40°	3126.1	46.3
0°-60°	5430.5	80.4
0°-90°	6753.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6753.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2487	2487	2487	2487	2487	
5°	2477	2473	2477	2477	2480	235
15°	2368	2371	2388	2402	2416	667
25°	2147	2161	2195	2232	2256	989
35°	1858	1872	1923	1981	2008	1160
45°	1515	1529	1583	1651	1682	1168
55°	1142	1158	1199	1257	1284	1021
65°	751	764	795	829	849	746
75°	380	387	401	421	435	404
85°	82	82	82	88	92	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2486.8	2486.8	2486.8	2486.8	2486.8
2.5°	2486.8	2483.4	2483.4	2483.4	2486.8
5°	2476.6	2473.2	2476.6	2476.6	2480.0
7.5°	2459.6	2456.2	2463.0	2466.4	2469.8
10°	2435.8	2435.8	2446.0	2452.8	2459.6
12.5°	2405.3	2408.7	2418.9	2429.1	2439.2
15°	2367.9	2371.3	2388.3	2401.9	2415.5
17.5°	2320.3	2327.1	2347.5	2367.9	2381.5
20°	2269.4	2279.6	2303.4	2330.5	2347.5
22.5°	2211.6	2225.2	2252.4	2286.4	2303.4
25°	2147.1	2160.7	2194.6	2232.0	2255.8
27.5°	2079.1	2096.1	2133.5	2177.7	2204.8
30°	2007.8	2024.8	2068.9	2116.5	2143.7
32.5°	1929.7	1950.0	1997.6	2052.0	2079.1
35°	1858.3	1871.9	1922.9	1980.6	2007.8
37.5°	1776.8	1793.8	1841.3	1902.5	1933.0
40°	1688.4	1705.4	1759.8	1820.9	1854.9
42.5°	1603.5	1617.1	1671.5	1739.4	1770.0
45°	1515.2	1528.8	1583.1	1651.1	1681.7
47.5°	1423.5	1440.4	1491.4	1556.0	1586.5
50°	1331.7	1345.3	1396.3	1457.4	1488.0
52.5°	1236.6	1250.2	1297.8	1358.9	1389.5
55°	1141.5	1158.5	1199.2	1257.0	1284.2
57.5°	1046.4	1063.3	1100.7	1155.1	1178.9
60°	951.2	964.8	1002.2	1049.8	1073.5
62.5°	849.3	859.5	896.9	944.4	964.8
65°	750.8	764.4	795.0	828.9	849.3
67.5°	659.1	665.9	693.0	730.4	744.0
70°	563.9	570.7	594.5	625.1	635.3
72.5°	468.8	479.0	496.0	523.2	536.8
75°	380.5	387.3	400.9	421.3	434.9
77.5°	295.6	299.0	309.2	326.1	336.3
80°	214.0	217.4	224.2	237.8	244.6
82.5°	142.7	146.1	149.5	156.3	163.1
85°	81.5	81.5	81.5	88.3	91.7
87.5°	30.6	27.2	27.2	27.2	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)