

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: P383764

Luminaire Tested: **14ID-75-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383764
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: 14ID-75-L840-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

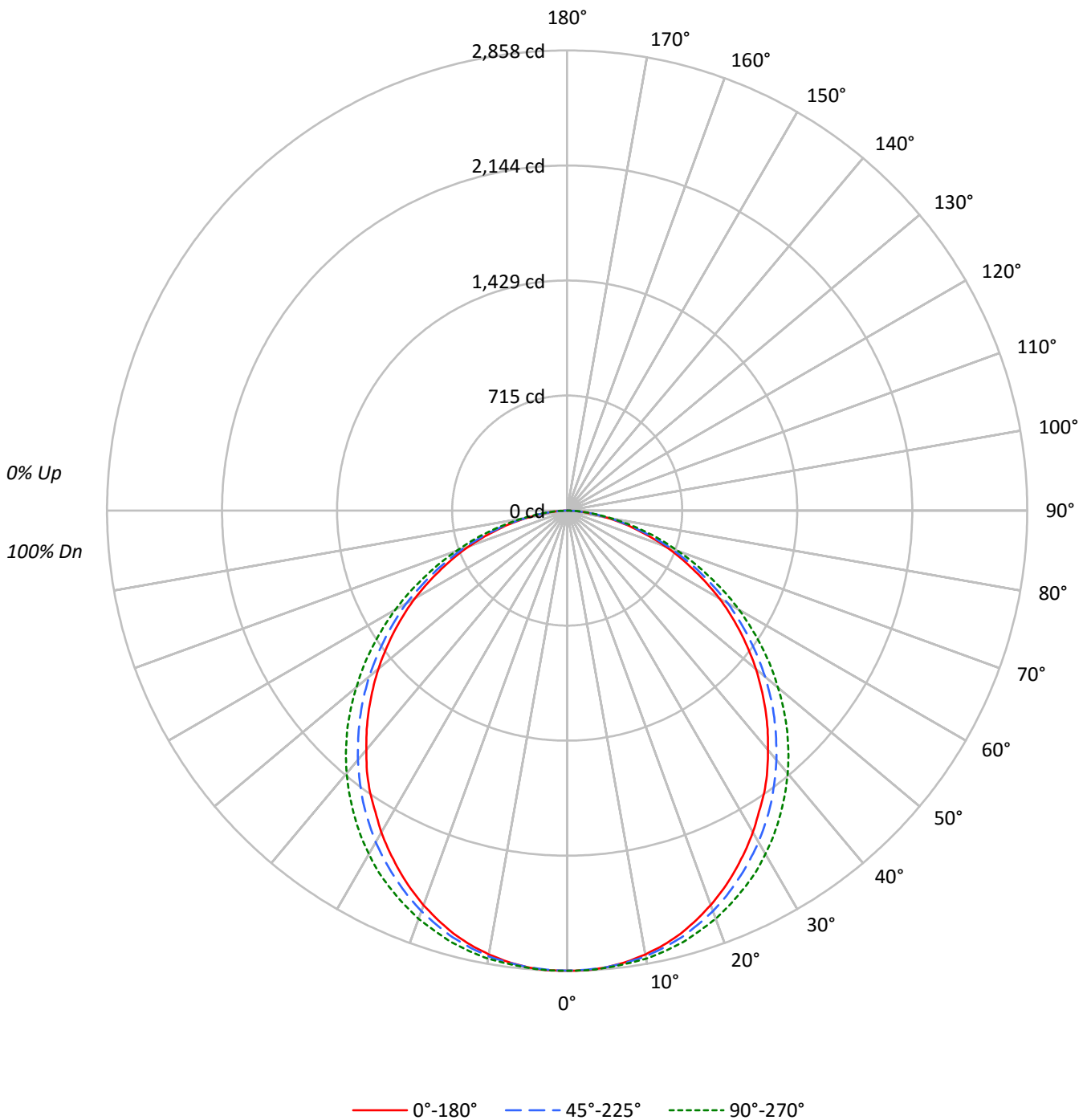
Lumens per Lamp: N/A
Luminaire Lumens: 7761.4 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.9
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°	7690	7690	7690
5°	7688	7688	7699
10°	7649	7681	7724
15°	7581	7646	7733
20°	7468	7580	7725
25°	7326	7489	7697
30°	7169	7388	7655
35°	7016	7259	7580
40°	6816	7104	7488
45°	6626	6924	7354
50°	6407	6718	7159
55°	6154	6466	6924
60°	5884	6198	6640
65°	5494	5817	6215
70°	5099	5375	5744
75°	4547	4790	5195
80°	3812	3994	4356
85°	2893	2893	3254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.5	3.5
10°-20°	773.9	10.0
20°-30°	1163.7	15.0
30°-40°	1384.3	17.8
40°-50°	1408.6	18.1
50°-60°	1239.7	16.0
60°-70°	909.4	11.7
70°-80°	493.6	6.4
80°-90°	117.8	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°	2208.1	28.4
0°-40°	3592.4	46.3
0°-60°	6240.7	80.4
0°-90°	7761.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7761.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2858	2858	2858	2858	2858	
5°	2846	2842	2846	2846	2850	270
15°	2721	2725	2745	2760	2776	767
25°	2467	2483	2522	2565	2592	1136
35°	2136	2151	2210	2276	2307	1333
45°	1741	1757	1819	1897	1932	1342
55°	1312	1331	1378	1444	1476	1173
65°	863	878	914	953	976	858
75°	437	445	461	484	500	465
85°	94	94	94	102	105	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2857.8	2857.8	2857.8	2857.8	2857.8
2.5°	2857.8	2853.9	2853.9	2853.9	2857.8
5°	2846.1	2842.2	2846.1	2846.1	2850.0
7.5°	2826.6	2822.7	2830.5	2834.4	2838.3
10°	2799.2	2799.2	2811.0	2818.8	2826.6
12.5°	2764.1	2768.0	2779.7	2791.4	2803.2
15°	2721.2	2725.1	2744.6	2760.2	2775.8
17.5°	2666.5	2674.3	2697.7	2721.2	2736.8
20°	2607.9	2619.7	2647.0	2678.2	2697.7
22.5°	2541.6	2557.2	2588.4	2627.5	2647.0
25°	2467.4	2483.0	2522.1	2565.0	2592.3
27.5°	2389.3	2408.8	2451.8	2502.5	2533.8
30°	2307.3	2326.9	2377.6	2432.3	2463.5
32.5°	2217.5	2241.0	2295.6	2358.1	2389.3
35°	2135.6	2151.2	2209.7	2276.1	2307.3
37.5°	2041.9	2061.4	2116.0	2186.3	2221.4
40°	1940.3	1959.9	2022.3	2092.6	2131.6
42.5°	1842.7	1858.4	1920.8	1998.9	2034.0
45°	1741.2	1756.9	1819.3	1897.4	1932.5
47.5°	1635.8	1655.3	1713.9	1788.1	1823.2
50°	1530.4	1546.0	1604.6	1674.9	1710.0
52.5°	1421.1	1436.7	1491.4	1561.6	1596.8
55°	1311.8	1331.3	1378.2	1444.5	1475.8
57.5°	1202.5	1222.0	1264.9	1327.4	1354.7
60°	1093.2	1108.8	1151.7	1206.4	1233.7
62.5°	976.0	987.7	1030.7	1085.3	1108.8
65°	862.8	878.4	913.6	952.6	976.0
67.5°	757.4	765.2	796.4	839.4	855.0
70°	648.1	655.9	683.2	718.4	730.1
72.5°	538.8	550.5	570.0	601.2	616.9
75°	437.3	445.1	460.7	484.1	499.7
77.5°	339.7	343.6	355.3	374.8	386.5
80°	246.0	249.9	257.7	273.3	281.1
82.5°	164.0	167.9	171.8	179.6	187.4
85°	93.7	93.7	93.7	101.5	105.4
87.5°	35.1	31.2	31.2	31.2	31.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)