

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: P383761

Luminaire Tested: **14ID-70-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383761
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-70-L850-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

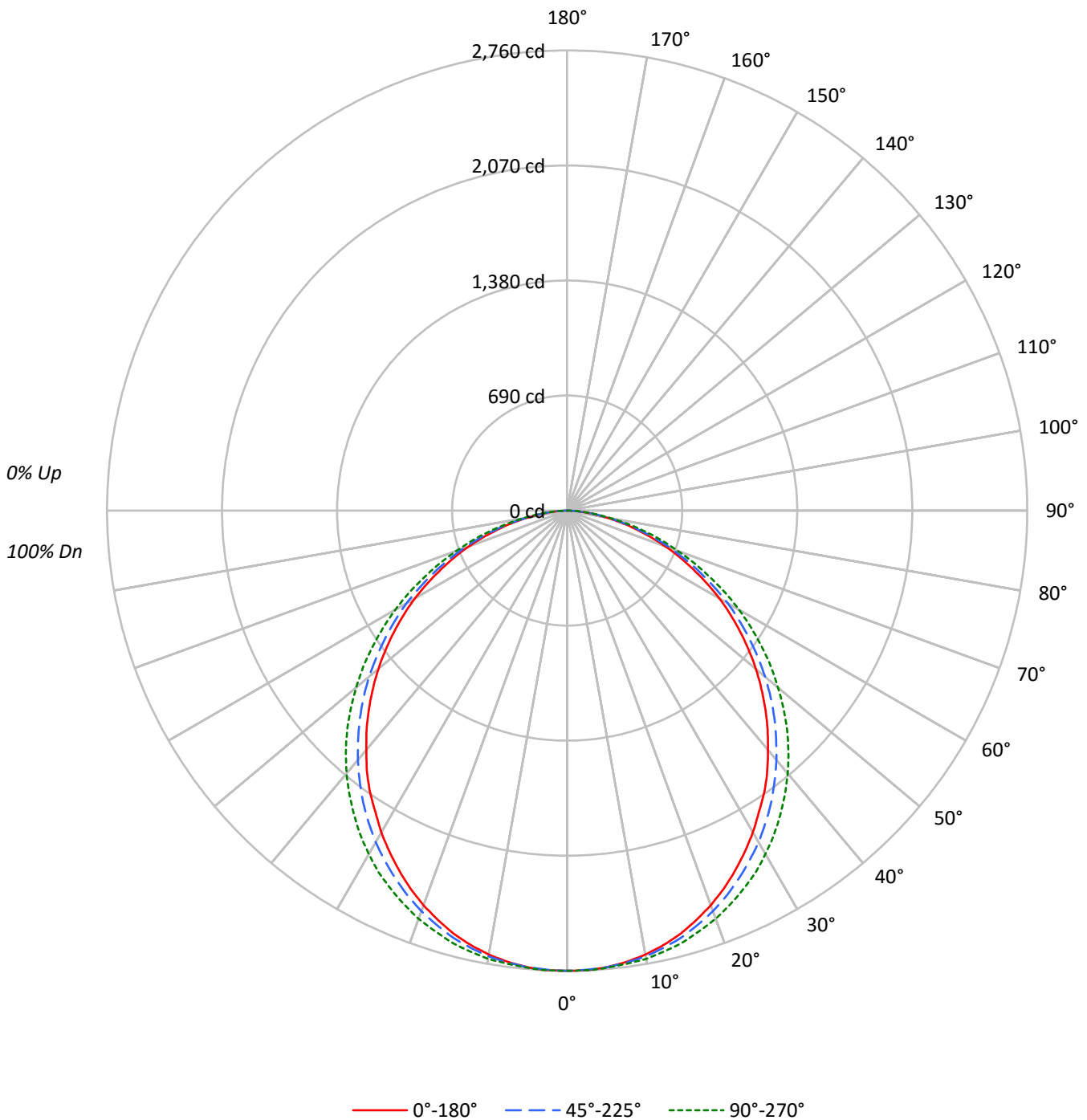
Lumens per Lamp: N/A
Luminaire Lumens: 7496.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 65.6
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°	7427	7427	7427
5°	7425	7425	7435
10°	7387	7418	7459
15°	7322	7385	7469
20°	7213	7321	7461
25°	7076	7232	7434
30°	6924	7135	7393
35°	6775	7011	7320
40°	6583	6861	7232
45°	6400	6687	7103
50°	6188	6488	6914
55°	5944	6244	6687
60°	5682	5986	6413
65°	5306	5618	6003
70°	4925	5192	5548
75°	4391	4626	5018
80°	3680	3857	4207
85°	2794	2794	3143



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.2	3.5
10°-20°	747.5	10.0
20°-30°	1123.9	15.0
30°-40°	1337.0	17.8
40°-50°	1360.4	18.1
50°-60°	1197.3	16.0
60°-70°	878.3	11.7
70°-80°	476.7	6.4
80°-90°	113.7	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°	2132.6	28.4
0°-40°	3469.6	46.3
0°-60°	6027.3	80.4
0°-90°	7496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2760	2760	2760	2760	2760	
5°	2749	2745	2749	2749	2752	261
15°	2628	2632	2651	2666	2681	740
25°	2383	2398	2436	2477	2504	1098
35°	2062	2078	2134	2198	2228	1288
45°	1682	1697	1757	1832	1866	1296
55°	1267	1286	1331	1395	1425	1133
65°	833	848	882	920	943	828
75°	422	430	445	468	483	449
85°	90	90	90	98	102	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2760.1	2760.1	2760.1	2760.1	2760.1
2.5°	2760.1	2756.3	2756.3	2756.3	2760.1
5°	2748.8	2745.0	2748.8	2748.8	2752.5
7.5°	2729.9	2726.2	2733.7	2737.5	2741.2
10°	2703.5	2703.5	2714.8	2722.4	2729.9
12.5°	2669.6	2673.4	2684.7	2696.0	2707.3
15°	2628.1	2631.9	2650.7	2665.8	2680.9
17.5°	2575.3	2582.9	2605.5	2628.1	2643.2
20°	2518.8	2530.1	2556.5	2586.6	2605.5
22.5°	2454.7	2469.8	2499.9	2537.6	2556.5
25°	2383.0	2398.1	2435.8	2477.3	2503.7
27.5°	2307.6	2326.5	2367.9	2417.0	2447.1
30°	2228.4	2247.3	2296.3	2349.1	2379.3
32.5°	2141.7	2164.3	2217.1	2277.5	2307.6
35°	2062.5	2077.6	2134.2	2198.3	2228.4
37.5°	1972.0	1990.9	2043.7	2111.5	2145.5
40°	1874.0	1892.8	1953.2	2021.0	2058.8
42.5°	1779.7	1794.8	1855.1	1930.6	1964.5
45°	1681.7	1696.8	1757.1	1832.5	1866.5
47.5°	1579.9	1598.7	1655.3	1726.9	1760.9
50°	1478.1	1493.2	1549.7	1617.6	1651.5
52.5°	1372.5	1387.6	1440.4	1508.2	1542.2
55°	1266.9	1285.8	1331.0	1395.1	1425.3
57.5°	1161.3	1180.2	1221.7	1282.0	1308.4
60°	1055.8	1070.9	1112.3	1165.1	1191.5
62.5°	942.7	954.0	995.4	1048.2	1070.9
65°	833.3	848.4	882.3	920.0	942.7
67.5°	731.5	739.0	769.2	810.7	825.8
70°	625.9	633.5	659.9	693.8	705.1
72.5°	520.3	531.7	550.5	580.7	595.8
75°	422.3	429.8	444.9	467.6	482.6
77.5°	328.0	331.8	343.1	362.0	373.3
80°	237.5	241.3	248.9	263.9	271.5
82.5°	158.4	162.1	165.9	173.4	181.0
85°	90.5	90.5	90.5	98.0	101.8
87.5°	33.9	30.2	30.2	30.2	30.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)