

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: P383821

Luminaire Tested: **22ID-75-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383821
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-75-L850-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

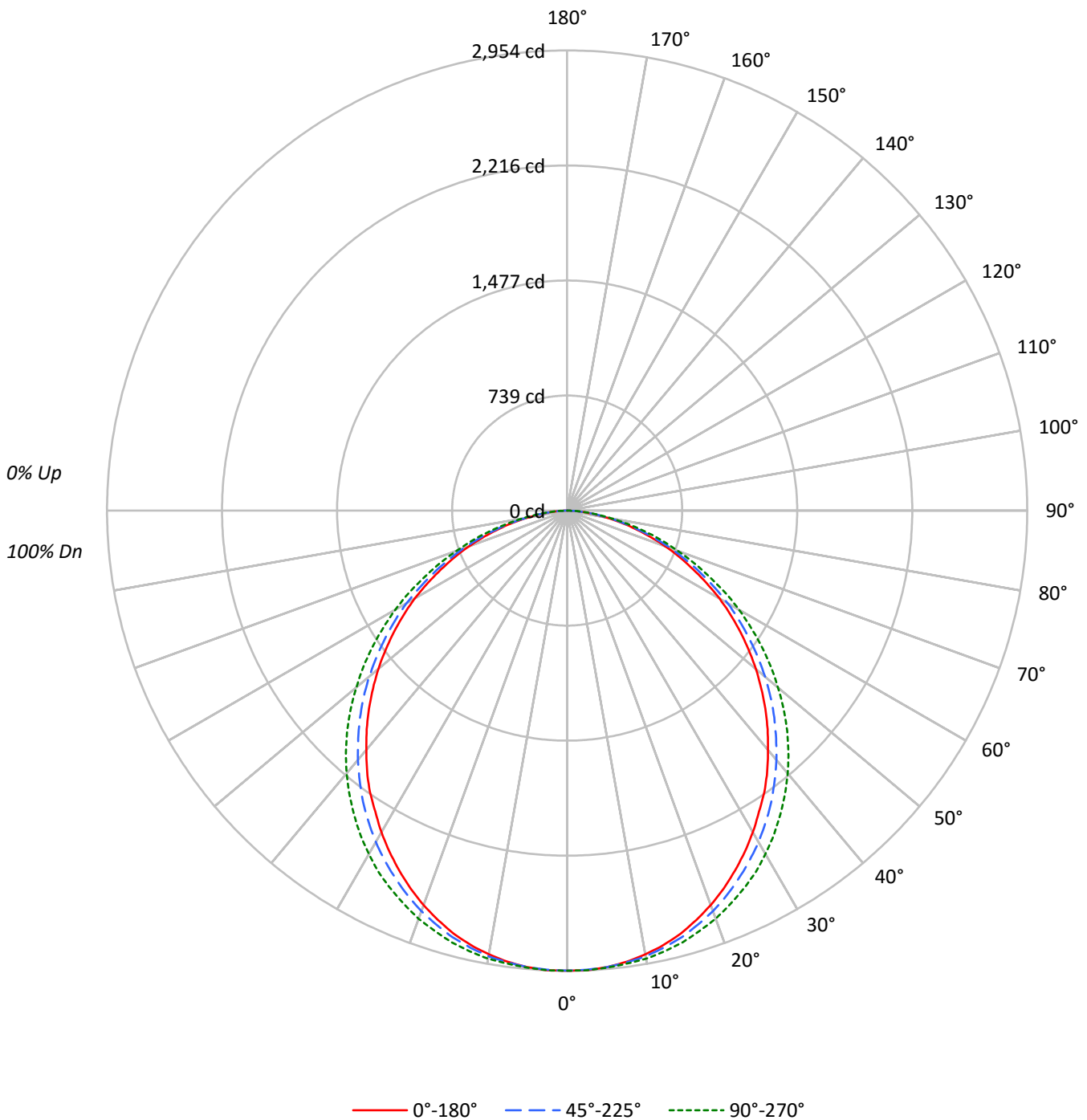
Lumens per Lamp: N/A
Luminaire Lumens: 8021.6 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 66.8
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°	7948	7948	7948
5°	7946	7946	7957
10°	7905	7938	7982
15°	7835	7903	7992
20°	7719	7834	7985
25°	7572	7739	7955
30°	7410	7636	7911
35°	7250	7502	7834
40°	7045	7342	7739
45°	6849	7156	7601
50°	6622	6943	7399
55°	6361	6683	7156
60°	6081	6406	6863
65°	5678	6012	6423
70°	5270	5556	5936
75°	4698	4950	5370
80°	3939	4127	4502
85°	2989	2989	3362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.6	3.5
10°-20°	799.9	10.0
20°-30°	1202.7	15.0
30°-40°	1430.7	17.8
40°-50°	1455.8	18.1
50°-60°	1281.2	16.0
60°-70°	939.8	11.7
70°-80°	510.1	6.4
80°-90°	121.7	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°	2282.1	28.4
0°-40°	3712.9	46.3
0°-60°	6449.9	80.4
0°-90°	8021.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8021.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2954	2954	2954	2954	2954	
5°	2942	2938	2942	2942	2946	279
15°	2812	2816	2837	2853	2869	792
25°	2550	2566	2607	2651	2679	1174
35°	2207	2223	2284	2352	2385	1378
45°	1800	1816	1880	1961	1997	1387
55°	1356	1376	1424	1493	1525	1212
65°	892	908	944	984	1009	886
75°	452	460	476	500	516	480
85°	97	97	97	105	109	117
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2953.6	2953.6	2953.6	2953.6	2953.6
2.5°	2953.6	2949.6	2949.6	2949.6	2953.6
5°	2941.5	2937.5	2941.5	2941.5	2945.5
7.5°	2921.3	2917.3	2925.4	2929.4	2933.4
10°	2893.1	2893.1	2905.2	2913.3	2921.3
12.5°	2856.8	2860.8	2872.9	2885.0	2897.1
15°	2812.4	2816.4	2836.6	2852.7	2868.9
17.5°	2755.9	2764.0	2788.2	2812.4	2828.5
20°	2695.4	2707.5	2735.7	2768.0	2788.2
22.5°	2626.8	2642.9	2675.2	2715.6	2735.7
25°	2550.1	2566.3	2606.6	2651.0	2679.2
27.5°	2469.4	2489.6	2534.0	2586.4	2618.7
30°	2384.7	2404.9	2457.3	2513.8	2546.1
32.5°	2291.9	2316.1	2372.6	2437.1	2469.4
35°	2207.1	2223.3	2283.8	2352.4	2384.7
37.5°	2110.3	2130.5	2187.0	2259.6	2295.9
40°	2005.4	2025.6	2090.1	2162.8	2203.1
42.5°	1904.5	1920.7	1985.2	2065.9	2102.2
45°	1799.6	1815.7	1880.3	1961.0	1997.3
47.5°	1690.7	1710.8	1771.4	1848.0	1884.3
50°	1581.7	1597.9	1658.4	1731.0	1767.3
52.5°	1468.7	1484.9	1541.4	1614.0	1650.3
55°	1355.8	1375.9	1424.4	1492.9	1525.2
57.5°	1242.8	1263.0	1307.3	1371.9	1400.1
60°	1129.8	1145.9	1190.3	1246.8	1275.1
62.5°	1008.7	1020.9	1065.2	1121.7	1145.9
65°	891.7	907.9	944.2	984.5	1008.7
67.5°	782.8	790.9	823.1	867.5	883.7
70°	669.8	677.9	706.1	742.4	754.5
72.5°	556.8	568.9	589.1	621.4	637.5
75°	451.9	460.0	476.1	500.3	516.5
77.5°	351.0	355.1	367.2	387.4	399.5
80°	254.2	258.2	266.3	282.4	290.5
82.5°	169.5	173.5	177.5	185.6	193.7
85°	96.8	96.8	96.8	104.9	108.9
87.5°	36.3	32.3	32.3	32.3	32.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)