

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: P383989

Luminaire Tested: **22ID-75-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-75-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

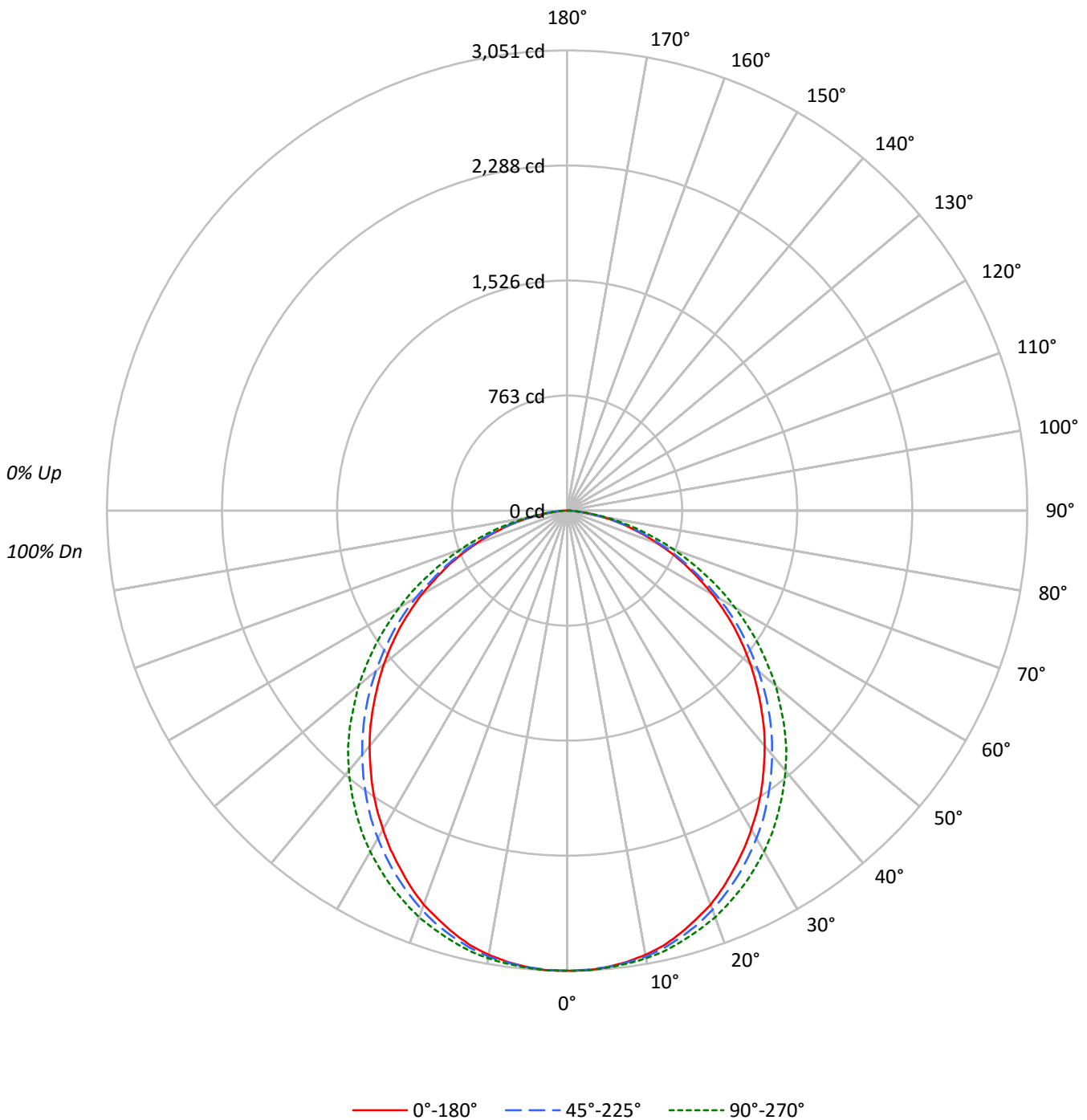
Lumens per Lamp: N/A
Luminaire Lumens: 8053.9 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 66.8
Input Voltage (V): NR
Input Current (Ain): 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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8210	8210	8210
5°	8209	8209	8220
10°	8171	8204	8237
15°	8084	8151	8230
20°	7962	8067	8217
25°	7777	7944	8172
30°	7586	7800	8113
35°	7384	7623	8021
40°	7159	7429	7911
45°	6896	7203	7756
50°	6640	6927	7552
55°	6343	6627	7271
60°	5994	6255	6907
65°	5576	5756	6450
70°	5049	5239	5906
75°	4405	4574	5161
80°	3564	3628	4065
85°	2118	2368	1995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.8	3.6
10°-20°	825.5	10.2
20°-30°	1234.9	15.3
30°-40°	1458.9	18.1
40°-50°	1472.2	18.3
50°-60°	1278.5	15.9
60°-70°	916.8	11.4
70°-80°	477.6	5.9
80°-90°	100.8	1.3
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°	2349.2	29.2
0°-40°	3808.1	47.3
0°-60°	6558.8	81.4
0°-90°	8053.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8053.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3051	3051	3051	3051	3051	
5°	3039	3035	3039	3039	3043	289
15°	2902	2906	2926	2946	2954	818
25°	2619	2635	2676	2728	2752	1207
35°	2248	2264	2320	2405	2442	1405
45°	1812	1832	1893	1990	2038	1399
55°	1352	1364	1412	1505	1550	1207
65°	876	872	904	973	1013	866
75°	424	420	440	472	496	452
85°	69	77	77	69	65	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3050.9	3050.9	3050.9	3050.9	3050.9
2.5°	3050.9	3046.9	3046.9	3046.9	3050.9
5°	3038.8	3034.8	3038.8	3038.8	3042.9
7.5°	3018.6	3014.6	3022.7	3026.7	3030.7
10°	2990.4	2990.4	3002.5	3010.6	3014.6
12.5°	2954.1	2954.1	2970.2	2982.3	2990.4
15°	2901.6	2905.6	2925.8	2946.0	2954.1
17.5°	2841.1	2853.2	2877.4	2905.6	2913.7
20°	2780.5	2788.6	2816.9	2853.2	2869.3
22.5°	2703.9	2716.0	2748.3	2796.7	2812.8
25°	2619.1	2635.3	2675.6	2728.1	2752.3
27.5°	2534.4	2546.5	2594.9	2655.4	2683.7
30°	2441.5	2457.7	2510.2	2578.8	2611.0
32.5°	2348.7	2360.8	2421.4	2494.0	2530.3
35°	2247.8	2264.0	2320.5	2405.2	2441.5
37.5°	2142.9	2163.1	2219.6	2308.4	2348.7
40°	2038.0	2050.1	2114.7	2203.4	2251.9
42.5°	1929.0	1945.2	2005.7	2102.6	2151.0
45°	1812.0	1832.2	1892.7	1989.6	2038.0
47.5°	1699.0	1719.2	1775.7	1872.5	1916.9
50°	1586.0	1598.1	1654.6	1751.5	1803.9
52.5°	1469.0	1481.1	1533.5	1626.4	1674.8
55°	1351.9	1364.0	1412.5	1505.3	1549.7
57.5°	1230.9	1238.9	1287.4	1372.1	1416.5
60°	1113.8	1117.9	1162.3	1238.9	1283.3
62.5°	988.7	992.8	1025.0	1113.8	1154.2
65°	875.7	871.7	904.0	972.6	1012.9
67.5°	758.7	758.7	786.9	847.5	879.8
70°	641.7	641.7	665.9	718.3	750.6
72.5°	532.7	532.7	552.9	593.2	617.4
75°	423.7	419.7	439.9	472.2	496.4
77.5°	322.8	322.8	330.9	359.2	375.3
80°	230.0	230.0	234.1	250.2	262.3
82.5°	145.3	145.3	145.3	153.4	157.4
85°	68.6	76.7	76.7	68.6	64.6
87.5°	32.3	32.3	28.2	28.2	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)