

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: P385165

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-75-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

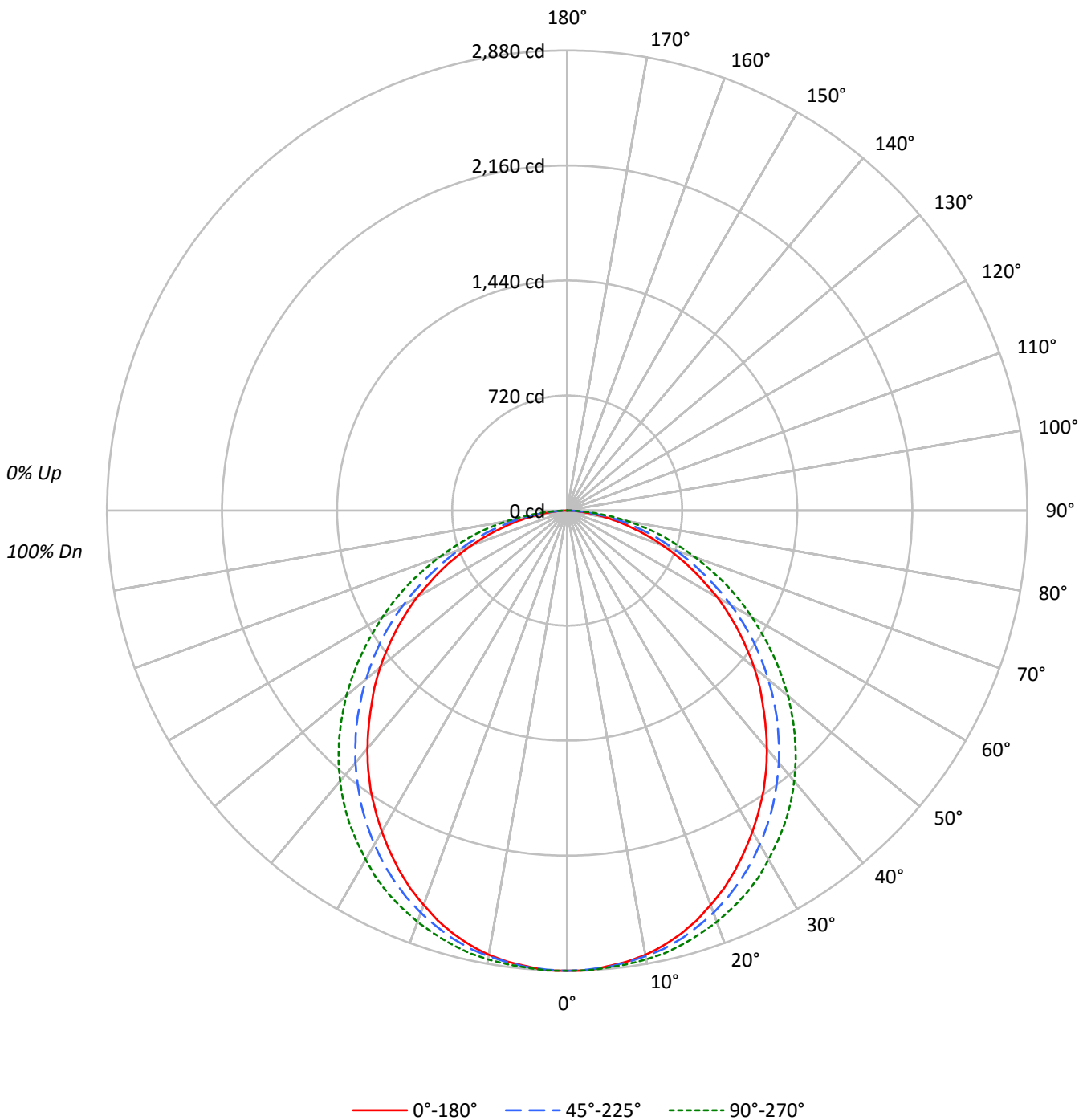
Lumens per Lamp: N/A
Luminaire Lumens: 7997.4 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7751	7751	7751
5°	7737	7748	7759
10°	7716	7738	7793
15°	7642	7721	7822
20°	7521	7671	7844
25°	7378	7594	7858
30°	7208	7496	7834
35°	7037	7382	7819
40°	6831	7242	7766
45°	6602	7077	7676
50°	6401	6874	7549
55°	6132	6662	7381
60°	5841	6383	7187
65°	5445	6011	6987
70°	5015	5650	6697
75°	4446	5243	6417
80°	3750	4689	5938
85°	2742	3612	4733



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.7	3.4
10°-20°	782.2	9.8
20°-30°	1179.7	14.8
30°-40°	1408.4	17.6
40°-50°	1439.5	18.0
50°-60°	1276.4	16.0
60°-70°	951.5	11.9
70°-80°	543.6	6.8
80°-90°	143.4	1.8
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°	2234.6	27.9
0°-40°	3643.1	45.6
0°-60°	6358.9	79.5
0°-90°	7997.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7997.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2880	2880	2880	2880	2880	
5°	2864	2864	2868	2868	2872	272
15°	2743	2751	2772	2796	2808	773
25°	2485	2505	2558	2614	2646	1144
35°	2142	2170	2247	2336	2380	1338
45°	1735	1771	1860	1961	2017	1340
55°	1307	1331	1420	1521	1573	1168
65°	855	875	944	1041	1097	848
75°	428	448	504	581	617	456
85°	89	93	117	145	153	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2880.4	2880.4	2880.4	2880.4	2880.4
2.5°	2880.4	2876.3	2876.3	2876.3	2880.4
5°	2864.2	2864.2	2868.3	2868.3	2872.3
7.5°	2848.1	2848.1	2852.1	2856.2	2864.2
10°	2823.9	2823.9	2832.0	2844.1	2852.1
12.5°	2787.6	2791.6	2807.8	2823.9	2836.0
15°	2743.2	2751.3	2771.5	2795.7	2807.8
17.5°	2690.8	2698.8	2727.1	2759.4	2775.5
20°	2626.2	2642.4	2678.7	2719.0	2739.2
22.5°	2561.7	2577.8	2622.2	2670.6	2694.8
25°	2485.0	2505.2	2557.7	2614.1	2646.4
27.5°	2404.4	2428.6	2489.1	2553.6	2589.9
30°	2319.6	2347.9	2412.4	2485.0	2521.3
32.5°	2230.9	2259.1	2331.7	2412.4	2452.8
35°	2142.1	2170.4	2247.0	2335.8	2380.1
37.5°	2045.3	2073.6	2154.2	2251.1	2299.5
40°	1944.5	1976.7	2061.5	2158.3	2210.7
42.5°	1839.6	1875.9	1960.6	2065.5	2117.9
45°	1734.7	1771.0	1859.7	1960.6	2017.1
47.5°	1633.8	1662.1	1750.8	1855.7	1912.2
50°	1528.9	1553.1	1641.9	1746.8	1803.3
52.5°	1416.0	1448.3	1533.0	1637.9	1690.3
55°	1307.1	1331.3	1420.0	1520.9	1573.3
57.5°	1194.1	1218.3	1303.0	1403.9	1452.3
60°	1085.2	1109.4	1186.0	1286.9	1335.3
62.5°	964.2	988.4	1065.0	1169.9	1218.3
65°	855.2	875.4	944.0	1040.8	1097.3
67.5°	746.3	766.5	831.0	923.8	968.2
70°	637.4	653.5	718.1	802.8	851.2
72.5°	532.5	548.6	613.2	689.8	730.2
75°	427.6	447.8	504.3	580.9	617.2
77.5°	330.8	351.0	399.4	468.0	500.2
80°	242.0	258.2	302.6	355.0	383.2
82.5°	161.4	173.5	205.7	250.1	270.3
85°	88.8	92.8	117.0	145.2	153.3
87.5°	36.3	36.3	44.4	48.4	52.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)