

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: P385157

Luminaire Tested: **22ID-65-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385157
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-65-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

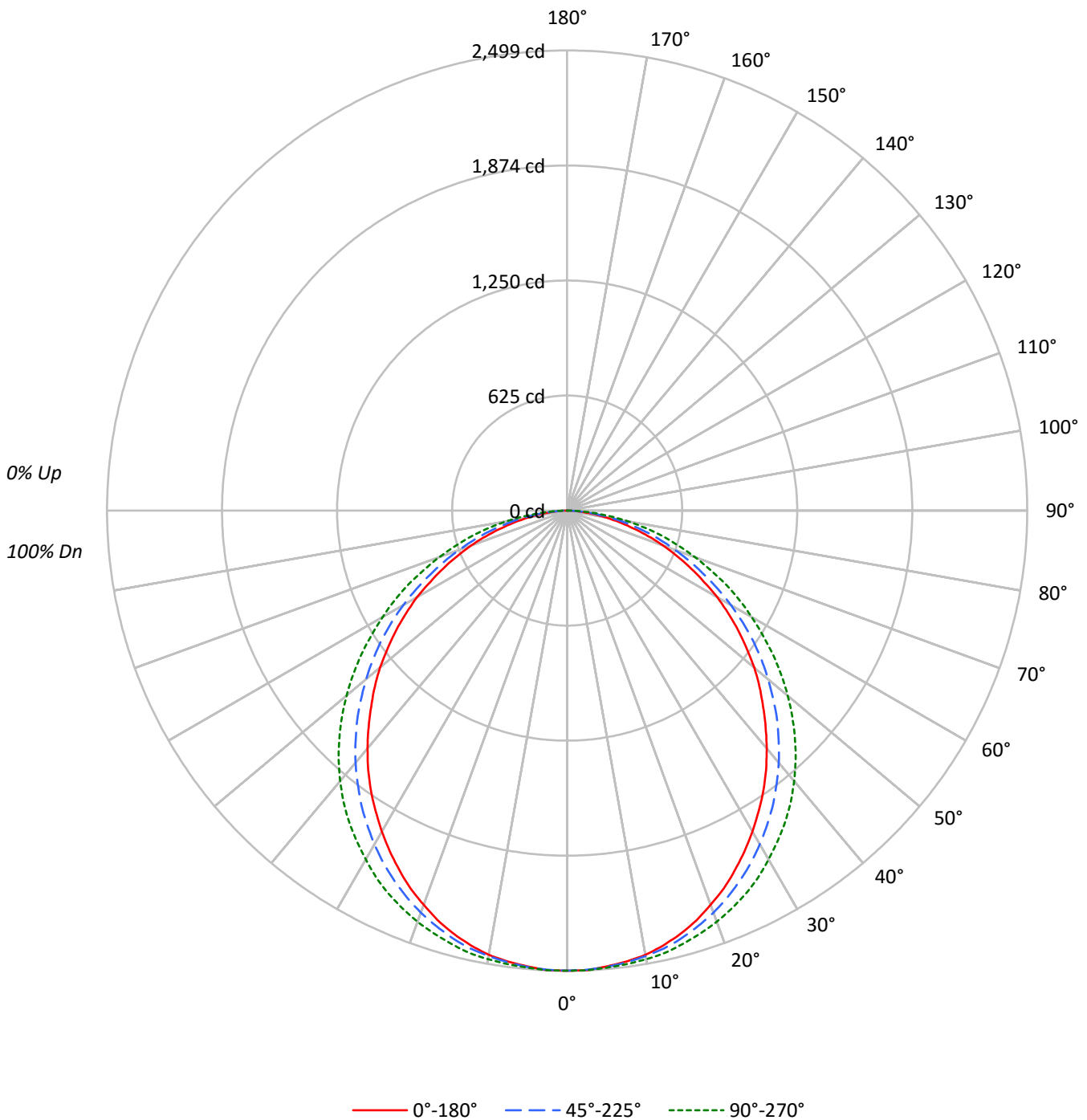
Lumens per Lamp: N/A
Luminaire Lumens: 6937.5 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 56.6
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	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°	6724	6724	6724
5°	6712	6721	6730
10°	6694	6713	6760
15°	6630	6698	6786
20°	6524	6654	6805
25°	6401	6588	6816
30°	6252	6503	6796
35°	6104	6403	6783
40°	5925	6282	6737
45°	5727	6140	6659
50°	5552	5963	6549
55°	5319	5779	6403
60°	5067	5537	6234
65°	4724	5214	6061
70°	4350	4901	5810
75°	3856	4548	5567
80°	3254	4068	5153
85°	2377	3134	4106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.5	3.4
10°-20°	678.6	9.8
20°-30°	1023.4	14.8
30°-40°	1221.8	17.6
40°-50°	1248.7	18.0
50°-60°	1107.2	16.0
60°-70°	825.4	11.9
70°-80°	471.5	6.8
80°-90°	124.4	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°	1938.5	27.9
0°-40°	3160.2	45.6
0°-60°	5516.2	79.5
0°-90°	6937.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6937.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2499	2499	2499	2499	2499	
5°	2485	2485	2488	2488	2492	236
15°	2380	2387	2404	2425	2436	670
25°	2156	2173	2219	2268	2296	993
35°	1858	1883	1949	2026	2065	1161
45°	1505	1536	1613	1701	1750	1163
55°	1134	1155	1232	1319	1365	1013
65°	742	759	819	903	952	735
75°	371	388	437	504	535	396
85°	77	80	102	126	133	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2498.6	2498.6	2498.6	2498.6	2498.6
2.5°	2498.6	2495.1	2495.1	2495.1	2498.6
5°	2484.6	2484.6	2488.1	2488.1	2491.6
7.5°	2470.6	2470.6	2474.1	2477.6	2484.6
10°	2449.7	2449.7	2456.7	2467.1	2474.1
12.5°	2418.2	2421.7	2435.7	2449.7	2460.2
15°	2379.7	2386.7	2404.2	2425.2	2435.7
17.5°	2334.2	2341.2	2365.7	2393.7	2407.7
20°	2278.2	2292.2	2323.7	2358.7	2376.2
22.5°	2222.2	2236.2	2274.7	2316.7	2337.7
25°	2155.7	2173.2	2218.7	2267.7	2295.7
27.5°	2085.7	2106.7	2159.2	2215.2	2246.7
30°	2012.2	2036.7	2092.7	2155.7	2187.2
32.5°	1935.2	1959.7	2022.7	2092.7	2127.7
35°	1858.2	1882.7	1949.2	2026.2	2064.7
37.5°	1774.2	1798.7	1868.7	1952.7	1994.7
40°	1686.8	1714.8	1788.2	1872.2	1917.7
42.5°	1595.8	1627.3	1700.8	1791.7	1837.2
45°	1504.8	1536.3	1613.3	1700.8	1749.8
47.5°	1417.3	1441.8	1518.8	1609.8	1658.8
50°	1326.3	1347.3	1424.3	1515.3	1564.3
52.5°	1228.3	1256.3	1329.8	1420.8	1466.3
55°	1133.8	1154.8	1231.8	1319.3	1364.8
57.5°	1035.9	1056.8	1130.3	1217.8	1259.8
60°	941.4	962.4	1028.9	1116.3	1158.3
62.5°	836.4	857.4	923.9	1014.9	1056.8
65°	741.9	759.4	818.9	902.9	951.9
67.5°	647.4	664.9	720.9	801.4	839.9
70°	552.9	566.9	622.9	696.4	738.4
72.5°	461.9	475.9	531.9	598.4	633.4
75°	370.9	388.4	437.4	503.9	535.4
77.5°	287.0	304.5	346.5	405.9	433.9
80°	210.0	224.0	262.5	308.0	332.5
82.5°	140.0	150.5	178.5	217.0	234.5
85°	77.0	80.5	101.5	126.0	133.0
87.5°	31.5	31.5	38.5	42.0	45.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)