

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: P385173

Luminaire Tested: **22ID-85-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385173
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-85-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

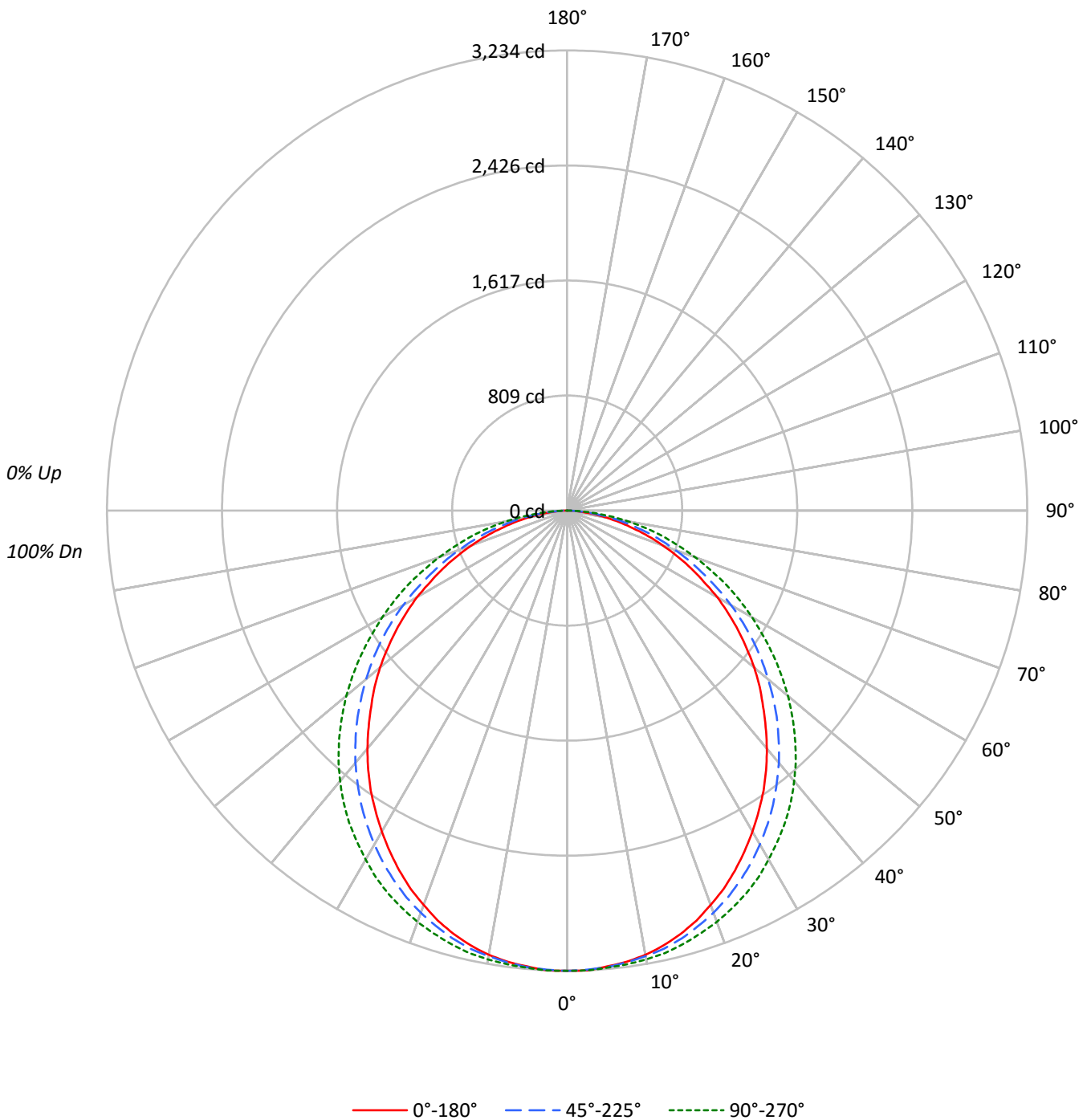
Lumens per Lamp: N/A
Luminaire Lumens: 8980.6 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 78.1
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	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°	8704	8704	8704
5°	8688	8700	8713
10°	8665	8690	8752
15°	8582	8670	8784
20°	8445	8614	8808
25°	8285	8528	8824
30°	8094	8418	8798
35°	7902	8289	8780
40°	7670	8132	8721
45°	7413	7948	8620
50°	7188	7719	8478
55°	6886	7481	8289
60°	6558	7168	8070
65°	6115	6749	7846
70°	5632	6345	7521
75°	4993	5888	7206
80°	4212	5266	6670
85°	3078	4057	5314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.2	3.4
10°-20°	878.4	9.8
20°-30°	1324.8	14.8
30°-40°	1581.6	17.6
40°-50°	1616.4	18.0
50°-60°	1433.3	16.0
60°-70°	1068.5	11.9
70°-80°	610.4	6.8
80°-90°	161.0	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°	2509.3	27.9
0°-40°	4090.9	45.6
0°-60°	7140.7	79.5
0°-90°	8980.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8980.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3234	3234	3234	3234	3234	
5°	3216	3216	3221	3221	3225	306
15°	3080	3090	3112	3139	3153	868
25°	2790	2813	2872	2936	2972	1285
35°	2406	2437	2523	2623	2673	1503
45°	1948	1989	2088	2202	2265	1505
55°	1468	1495	1595	1708	1767	1312
65°	960	983	1060	1169	1232	952
75°	480	503	566	652	693	512
85°	100	104	131	163	172	124
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3234.5	3234.5	3234.5	3234.5	3234.5
2.5°	3234.5	3230.0	3230.0	3230.0	3234.5
5°	3216.4	3216.4	3220.9	3220.9	3225.4
7.5°	3198.3	3198.3	3202.8	3207.3	3216.4
10°	3171.1	3171.1	3180.1	3193.7	3202.8
12.5°	3130.3	3134.8	3153.0	3171.1	3184.7
15°	3080.5	3089.5	3112.2	3139.4	3153.0
17.5°	3021.6	3030.6	3062.4	3098.6	3116.7
20°	2949.1	2967.2	3008.0	3053.3	3075.9
22.5°	2876.6	2894.7	2944.6	2998.9	3026.1
25°	2790.5	2813.2	2872.1	2935.5	2971.8
27.5°	2699.9	2727.1	2795.1	2867.6	2908.3
30°	2604.8	2636.5	2709.0	2790.5	2831.3
32.5°	2505.2	2536.9	2618.4	2709.0	2754.3
35°	2405.5	2437.2	2523.3	2622.9	2672.8
37.5°	2296.8	2328.5	2419.1	2527.8	2582.2
40°	2183.5	2219.8	2314.9	2423.6	2482.5
42.5°	2065.7	2106.5	2201.6	2319.4	2378.3
45°	1947.9	1988.7	2088.4	2201.6	2265.1
47.5°	1834.7	1866.4	1966.1	2083.9	2147.3
50°	1716.9	1744.1	1843.8	1961.5	2025.0
52.5°	1590.1	1626.3	1721.4	1839.2	1898.1
55°	1467.8	1494.9	1594.6	1707.9	1766.7
57.5°	1340.9	1368.1	1463.2	1576.5	1630.8
60°	1218.6	1245.8	1331.9	1445.1	1499.5
62.5°	1082.7	1109.9	1195.9	1313.7	1368.1
65°	960.4	983.0	1060.0	1168.8	1232.2
67.5°	838.1	860.7	933.2	1037.4	1087.2
70°	715.8	733.9	806.4	901.5	955.9
72.5°	598.0	616.1	688.6	774.6	819.9
75°	480.2	502.8	566.3	652.3	693.1
77.5°	371.5	394.1	448.5	525.5	561.7
80°	271.8	289.9	339.8	398.6	430.4
82.5°	181.2	194.8	231.0	280.9	303.5
85°	99.7	104.2	131.4	163.1	172.1
87.5°	40.8	40.8	49.8	54.4	58.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)