

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: P385341

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-85-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

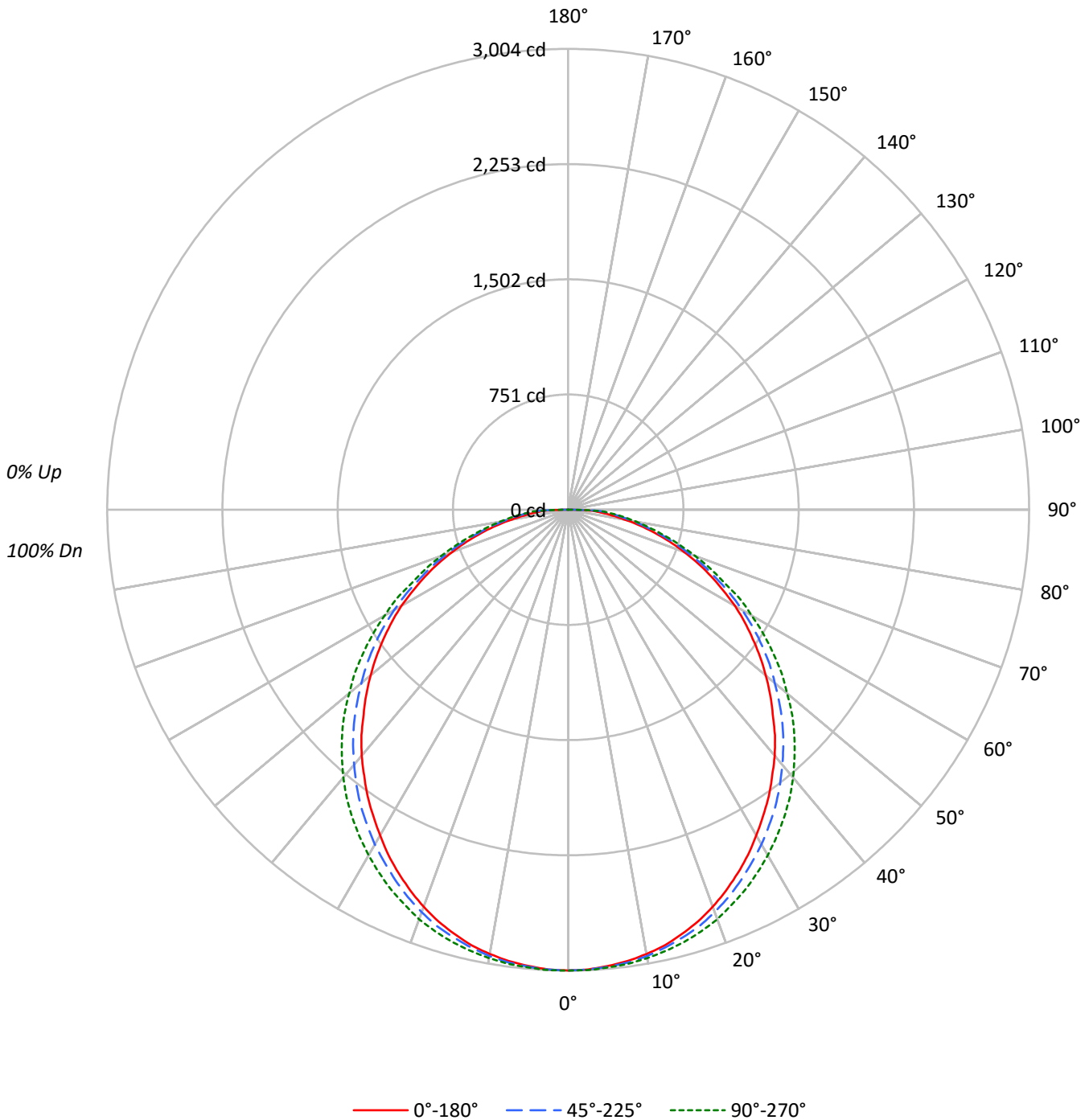
Lumens per Lamp: N/A
Luminaire Lumens: 8713.2 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8084	8084	8084
5°	8008	7996	8032
10°	7919	7908	7992
15°	7804	7795	7952
20°	7657	7664	7896
25°	7473	7499	7809
30°	7267	7329	7711
35°	7075	7150	7609
40°	6873	6938	7483
45°	6621	6726	7322
50°	6402	6454	7092
55°	6155	6187	6839
60°	5903	5853	6500
65°	5556	5435	6046
70°	5134	4982	5627
75°	4635	4483	5139
80°	3958	3956	4721
85°	3368	3577	4515



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.2	3.3
10°-20°	814.6	9.3
20°-30°	1229.3	14.1
30°-40°	1475.5	16.9
40°-50°	1527.0	17.5
50°-60°	1383.4	15.9
60°-70°	1065.8	12.2
70°-80°	659.5	7.6
80°-90°	273.9	3.1
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°	2328.1	26.7
0°-40°	3803.6	43.7
0°-60°	6714.0	77.1
0°-90°	8713.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8713.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3004	3004	3004	3004	3004	
5°	2986	2986	2990	2990	2995	284
15°	2864	2868	2886	2904	2918	808
25°	2614	2624	2664	2710	2732	1204
35°	2279	2297	2356	2420	2451	1425
45°	1885	1912	1976	2048	2084	1458
55°	1468	1491	1541	1608	1631	1314
65°	1029	1038	1069	1115	1119	1017
75°	584	598	621	648	648	619
85°	213	236	272	290	286	230
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3004.1	3004.1	3004.1	3004.1	3004.1
2.5°	2999.6	2999.6	2999.6	2999.6	3004.1
5°	2986.0	2986.0	2990.5	2990.5	2995.1
7.5°	2967.9	2967.9	2976.9	2976.9	2986.0
10°	2940.7	2945.2	2954.3	2958.8	2967.9
12.5°	2909.0	2909.0	2922.6	2936.2	2945.2
15°	2863.7	2868.2	2886.3	2904.4	2918.0
17.5°	2813.8	2818.4	2845.5	2863.7	2881.8
20°	2754.9	2759.5	2791.2	2818.4	2841.0
22.5°	2687.0	2696.0	2732.3	2768.5	2786.6
25°	2614.5	2623.5	2664.3	2709.6	2732.3
27.5°	2537.4	2551.0	2591.8	2641.6	2668.8
30°	2451.3	2469.5	2519.3	2573.7	2600.9
32.5°	2365.2	2383.4	2437.7	2501.2	2528.4
35°	2279.2	2297.3	2356.2	2419.6	2451.3
37.5°	2184.0	2202.1	2265.6	2333.5	2369.8
40°	2093.4	2111.5	2170.4	2247.4	2279.2
42.5°	1993.7	2011.8	2075.3	2147.8	2184.0
45°	1884.9	1912.1	1975.6	2048.1	2084.3
47.5°	1785.3	1807.9	1866.8	1943.9	1980.1
50°	1681.0	1703.7	1758.1	1835.1	1862.3
52.5°	1576.8	1599.5	1653.9	1726.4	1753.5
55°	1468.1	1490.7	1540.6	1608.5	1631.2
57.5°	1363.9	1382.0	1427.3	1490.7	1508.9
60°	1255.1	1273.2	1309.5	1368.4	1382.0
62.5°	1137.3	1150.9	1191.7	1246.1	1264.2
65°	1028.6	1037.6	1069.3	1114.7	1119.2
67.5°	915.3	924.3	956.1	987.8	1001.4
70°	802.0	815.6	838.3	870.0	879.0
72.5°	693.3	706.9	729.5	756.7	761.2
75°	584.5	598.1	620.8	648.0	648.0
77.5°	480.3	493.9	521.1	543.7	543.7
80°	376.1	398.7	425.9	448.6	448.6
82.5°	290.0	308.1	344.4	362.5	362.5
85°	213.0	235.6	271.9	290.0	285.5
87.5°	154.1	176.7	208.4	222.0	217.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)