

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: P385337

Luminaire Tested: **22ID-80-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385337
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-80-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

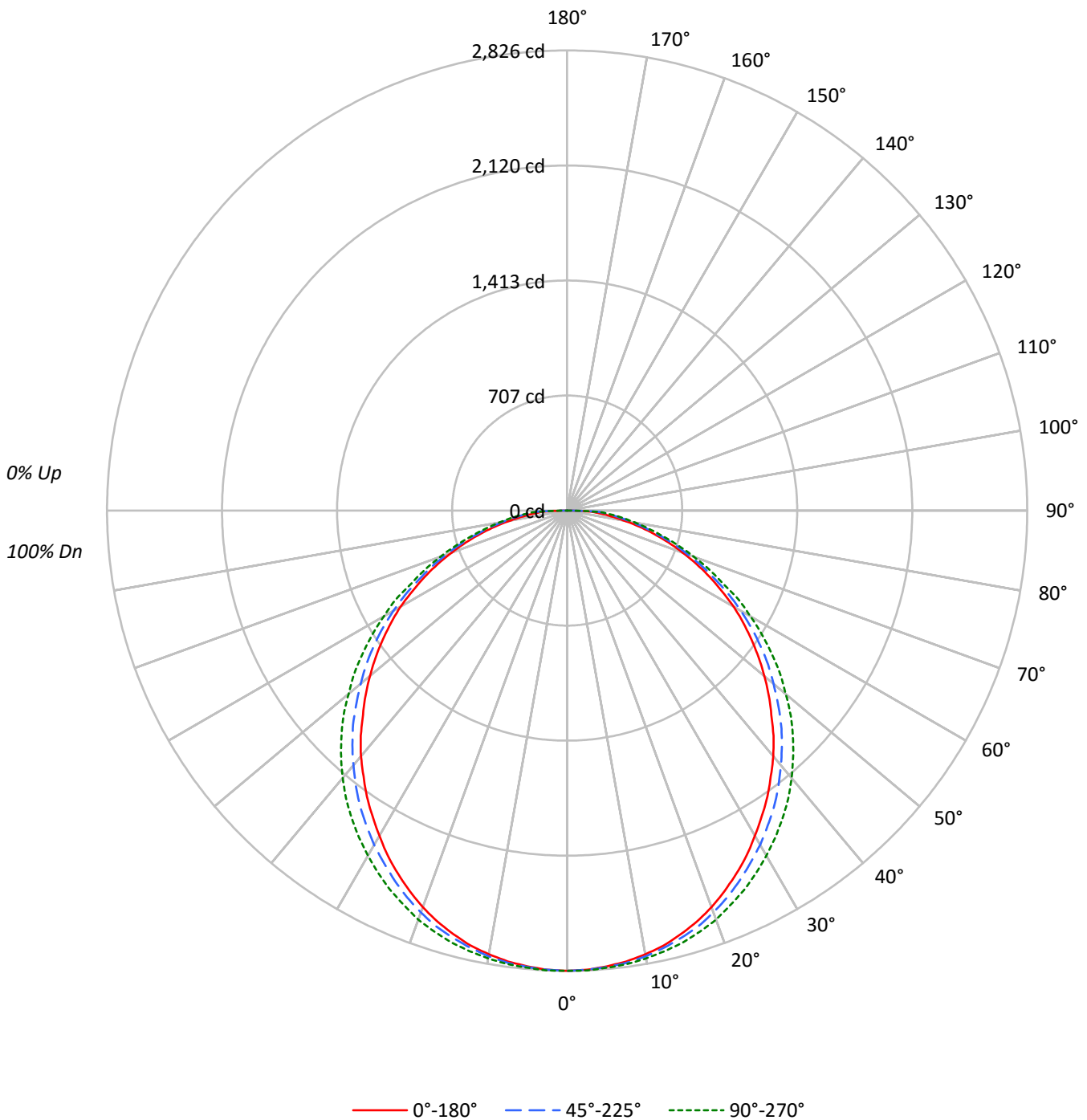
Lumens per Lamp: N/A
Luminaire Lumens: 8198.1 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 71.8
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	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°	7606	7606	7606
5°	7534	7523	7557
10°	7451	7441	7520
15°	7342	7334	7482
20°	7204	7211	7430
25°	7031	7055	7347
30°	6838	6896	7255
35°	6656	6728	7159
40°	6467	6528	7041
45°	6230	6328	6889
50°	6023	6072	6673
55°	5791	5821	6435
60°	5554	5507	6115
65°	5228	5114	5688
70°	4831	4688	5295
75°	4362	4218	4835
80°	3724	3722	4442
85°	3169	3365	4247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.4	3.3
10°-20°	766.4	9.3
20°-30°	1156.6	14.1
30°-40°	1388.3	16.9
40°-50°	1436.7	17.5
50°-60°	1301.6	15.9
60°-70°	1002.8	12.2
70°-80°	620.5	7.6
80°-90°	257.7	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°	2190.5	26.7
0°-40°	3578.8	43.7
0°-60°	6317.1	77.1
0°-90°	8198.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8198.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2826	2826	2826	2826	2826	
5°	2810	2810	2814	2814	2818	267
15°	2694	2699	2716	2733	2746	760
25°	2460	2468	2507	2549	2571	1133
35°	2144	2162	2217	2277	2306	1341
45°	1774	1799	1859	1927	1961	1371
55°	1381	1403	1450	1514	1535	1237
65°	968	976	1006	1049	1053	957
75°	550	563	584	610	610	583
85°	200	222	256	273	269	216
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2826.5	2826.5	2826.5	2826.5	2826.5
2.5°	2822.3	2822.3	2822.3	2822.3	2826.5
5°	2809.5	2809.5	2813.7	2813.7	2818.0
7.5°	2792.4	2792.4	2801.0	2801.0	2809.5
10°	2766.9	2771.1	2779.6	2783.9	2792.4
12.5°	2737.0	2737.0	2749.8	2762.6	2771.1
15°	2694.4	2698.6	2715.7	2732.7	2745.5
17.5°	2647.5	2651.7	2677.3	2694.4	2711.4
20°	2592.1	2596.3	2626.2	2651.7	2673.1
22.5°	2528.1	2536.6	2570.7	2604.8	2621.9
25°	2459.9	2468.4	2506.8	2549.4	2570.7
27.5°	2387.4	2400.2	2438.6	2485.5	2511.1
30°	2306.4	2323.5	2370.4	2421.5	2447.1
32.5°	2225.4	2242.5	2293.6	2353.3	2378.9
35°	2144.4	2161.5	2216.9	2276.6	2306.4
37.5°	2054.9	2071.9	2131.6	2195.6	2229.7
40°	1969.6	1986.7	2042.1	2114.6	2144.4
42.5°	1875.8	1892.9	1952.6	2020.8	2054.9
45°	1773.5	1799.1	1858.8	1927.0	1961.1
47.5°	1679.7	1701.0	1756.5	1828.9	1863.0
50°	1581.7	1603.0	1654.1	1726.6	1752.2
52.5°	1483.6	1504.9	1556.1	1624.3	1649.9
55°	1381.3	1402.6	1449.5	1513.5	1534.8
57.5°	1283.2	1300.3	1342.9	1402.6	1419.7
60°	1180.9	1198.0	1232.1	1287.5	1300.3
62.5°	1070.1	1082.9	1121.2	1172.4	1189.4
65°	967.8	976.3	1006.1	1048.8	1053.0
67.5°	861.2	869.7	899.5	929.4	942.2
70°	754.6	767.4	788.7	818.5	827.1
72.5°	652.3	665.1	686.4	712.0	716.2
75°	550.0	562.7	584.1	609.6	609.6
77.5°	451.9	464.7	490.3	511.6	511.6
80°	353.9	375.2	400.7	422.1	422.1
82.5°	272.8	289.9	324.0	341.1	341.1
85°	200.4	221.7	255.8	272.8	268.6
87.5°	145.0	166.3	196.1	208.9	204.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)