

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: P385333

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385333
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-75-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

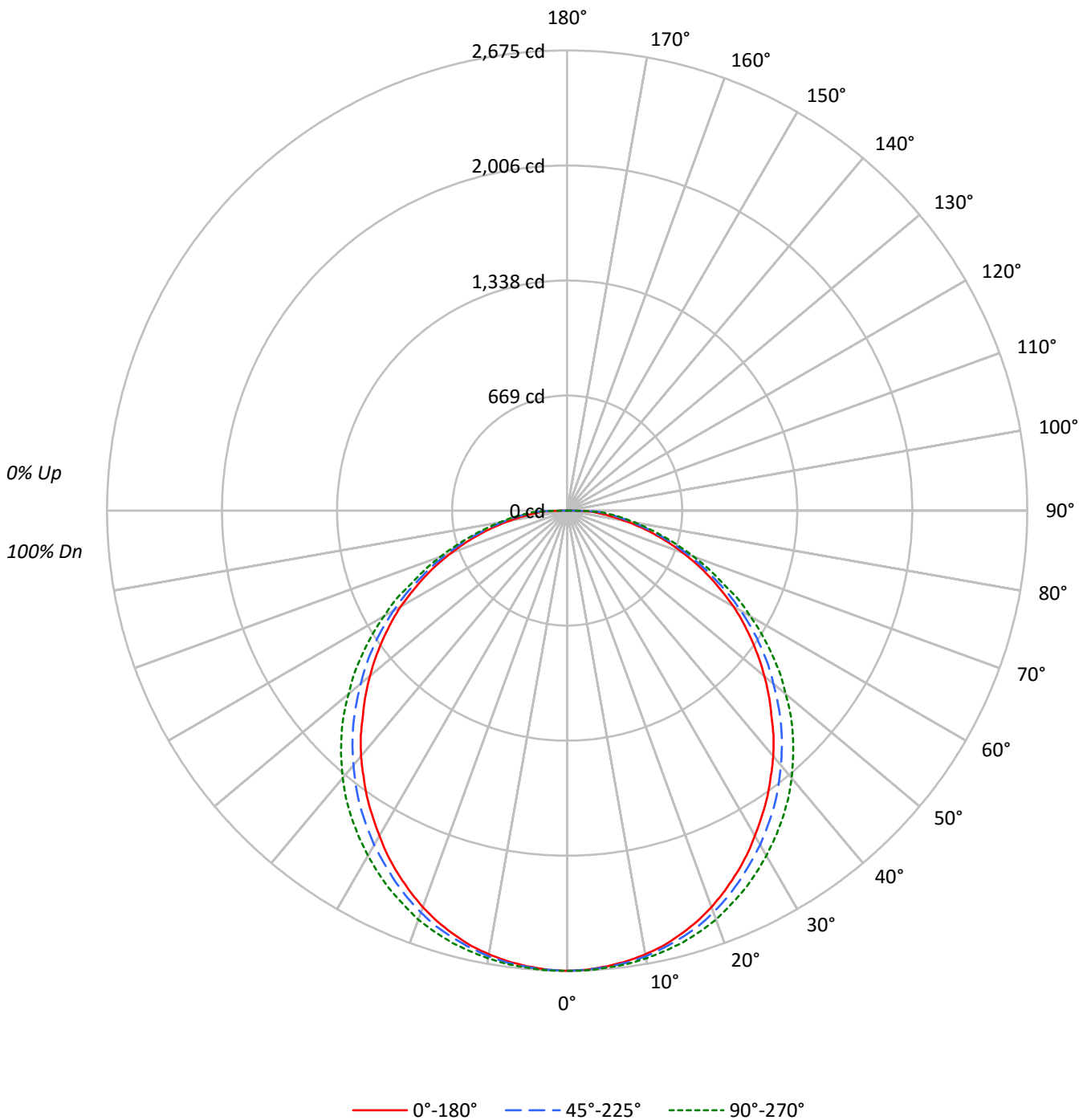
Lumens per Lamp: N/A
Luminaire Lumens: 7759.3 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 66.8
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°	7199	7199	7199
5°	7131	7120	7153
10°	7052	7043	7117
15°	6949	6941	7081
20°	6819	6825	7032
25°	6654	6678	6954
30°	6472	6527	6866
35°	6300	6367	6776
40°	6121	6179	6664
45°	5897	5989	6520
50°	5701	5747	6316
55°	5481	5509	6090
60°	5257	5212	5788
65°	4948	4840	5384
70°	4572	4437	5012
75°	4128	3992	4576
80°	3524	3523	4204
85°	2998	3185	4020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.1	3.3
10°-20°	725.4	9.3
20°-30°	1094.7	14.1
30°-40°	1314.0	16.9
40°-50°	1359.8	17.5
50°-60°	1231.9	15.9
60°-70°	949.1	12.2
70°-80°	587.3	7.6
80°-90°	243.9	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°	2073.2	26.7
0°-40°	3387.2	43.7
0°-60°	5978.9	77.1
0°-90°	7759.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7759.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2675	2675	2675	2675	2675	
5°	2659	2659	2663	2663	2667	253
15°	2550	2554	2570	2586	2599	719
25°	2328	2336	2373	2413	2433	1072
35°	2030	2046	2098	2155	2183	1269
45°	1679	1703	1759	1824	1856	1298
55°	1307	1328	1372	1432	1453	1171
65°	916	924	952	993	997	906
75°	520	533	553	577	577	551
85°	190	210	242	258	254	205
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2675.2	2675.2	2675.2	2675.2	2675.2
2.5°	2671.2	2671.2	2671.2	2671.2	2675.2
5°	2659.1	2659.1	2663.1	2663.1	2667.2
7.5°	2643.0	2643.0	2651.0	2651.0	2659.1
10°	2618.8	2622.8	2630.9	2634.9	2643.0
12.5°	2590.5	2590.5	2602.6	2614.7	2622.8
15°	2550.2	2554.2	2570.3	2586.5	2598.6
17.5°	2505.8	2509.8	2534.0	2550.2	2566.3
20°	2453.3	2457.4	2485.6	2509.8	2530.0
22.5°	2392.8	2400.9	2433.1	2465.4	2481.6
25°	2328.2	2336.3	2372.6	2413.0	2433.1
27.5°	2259.6	2271.7	2308.1	2352.4	2376.7
30°	2183.0	2199.1	2243.5	2291.9	2316.1
32.5°	2106.3	2122.4	2170.9	2227.4	2251.6
35°	2029.6	2045.8	2098.2	2154.7	2183.0
37.5°	1944.9	1961.0	2017.5	2078.1	2110.3
40°	1864.2	1880.3	1932.8	2001.4	2029.6
42.5°	1775.4	1791.6	1848.1	1912.6	1944.9
45°	1678.6	1702.8	1759.3	1823.9	1856.1
47.5°	1589.8	1610.0	1662.4	1731.0	1763.3
50°	1497.0	1517.2	1565.6	1634.2	1658.4
52.5°	1404.2	1424.4	1472.8	1537.4	1561.6
55°	1307.4	1327.5	1371.9	1432.4	1452.6
57.5°	1214.6	1230.7	1271.0	1327.5	1343.7
60°	1117.7	1133.9	1166.1	1218.6	1230.7
62.5°	1012.8	1024.9	1061.2	1109.6	1125.8
65°	916.0	924.0	952.3	992.6	996.7
67.5°	815.1	823.2	851.4	879.6	891.7
70°	714.2	726.3	746.5	774.7	782.8
72.5°	617.4	629.5	649.6	673.9	677.9
75°	520.5	532.6	552.8	577.0	577.0
77.5°	427.7	439.8	464.0	484.2	484.2
80°	334.9	355.1	379.3	399.5	399.5
82.5°	258.2	274.4	306.7	322.8	322.8
85°	189.6	209.8	242.1	258.2	254.2
87.5°	137.2	157.4	185.6	197.7	193.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)