

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: P385327

Luminaire Tested: **22ID-70-L835-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385327  
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-70-L835-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

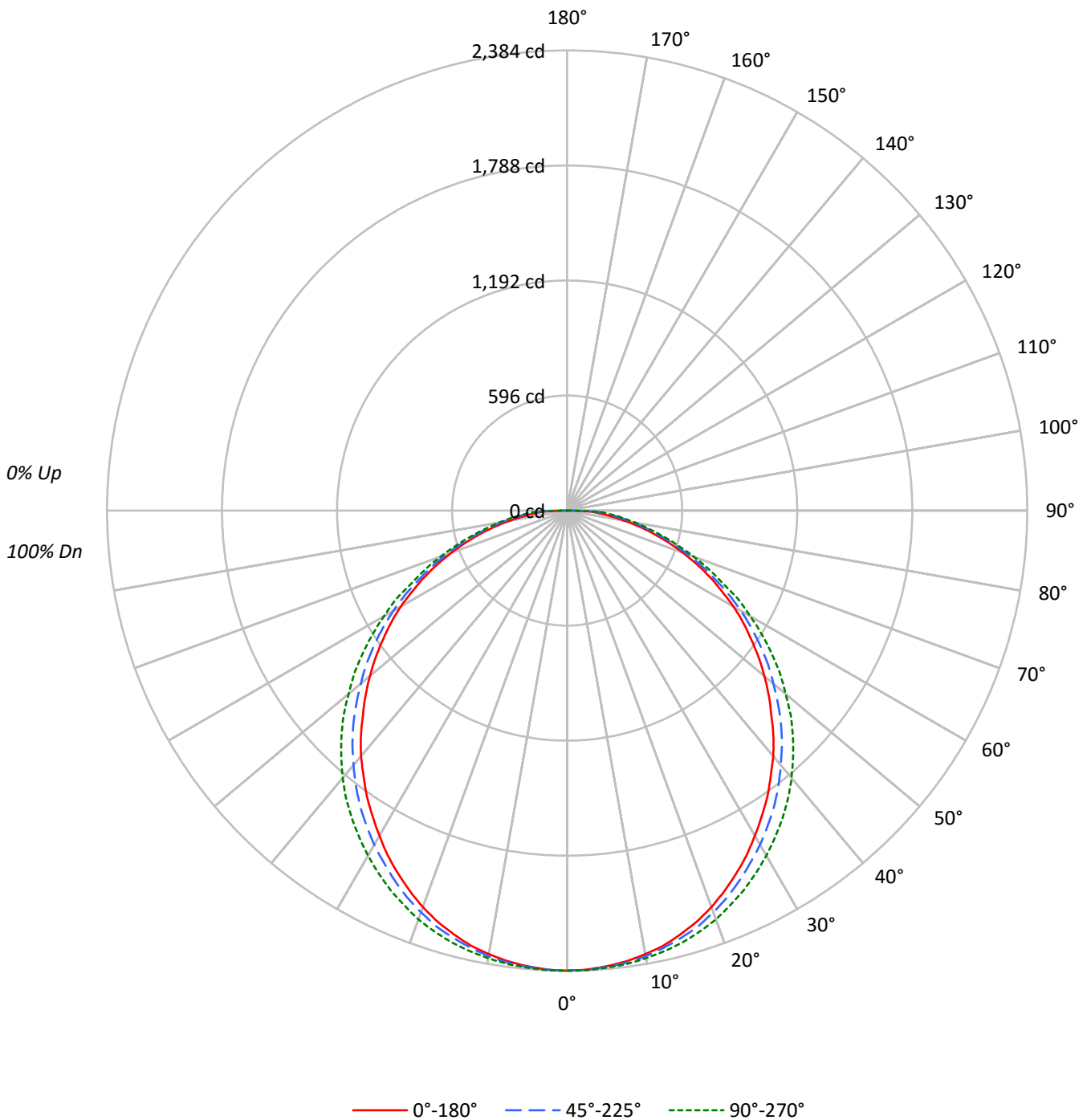
Lumens per Lamp: N/A  
Luminaire Lumens: 6913.7 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 61.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	6414	6414	6414
5°	6354	6344	6373
10°	6284	6275	6342
15°	6192	6185	6310
20°	6076	6081	6266
25°	5929	5950	6196
30°	5767	5816	6118
35°	5614	5674	6038
40°	5453	5505	5938
45°	5254	5337	5810
50°	5080	5121	5627
55°	4884	4909	5426
60°	4684	4644	5157
65°	4409	4313	4797
70°	4074	3953	4465
75°	3678	3557	4077
80°	3140	3140	3745
85°	2672	2838	3582



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.5	3.3
10°-20°	646.4	9.3
20°-30°	975.4	14.1
30°-40°	1170.8	16.9
40°-50°	1211.6	17.5
50°-60°	1097.7	15.9
60°-70°	845.7	12.2
70°-80°	523.3	7.6
80°-90°	217.3	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°	1847.3	26.7
0°-40°	3018.1	43.7
0°-60°	5327.4	77.1
0°-90°	6913.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6913.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2384	2384	2384	2384	2384	
5°	2369	2369	2373	2373	2376	225
15°	2272	2276	2290	2305	2315	641
25°	2074	2082	2114	2150	2168	956
35°	1808	1823	1870	1920	1945	1131
45°	1496	1517	1568	1625	1654	1157
55°	1165	1183	1222	1276	1294	1043
65°	816	823	848	884	888	807
75°	464	475	493	514	514	491
85°	169	187	216	230	226	183
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2383.7	2383.7	2383.7	2383.7	2383.7
2.5°	2380.1	2380.1	2380.1	2380.1	2383.7
5°	2369.3	2369.3	2372.9	2372.9	2376.5
7.5°	2354.9	2354.9	2362.1	2362.1	2369.3
10°	2333.4	2337.0	2344.2	2347.8	2354.9
12.5°	2308.2	2308.2	2319.0	2329.8	2337.0
15°	2272.2	2275.8	2290.2	2304.6	2315.4
17.5°	2232.7	2236.3	2257.9	2272.2	2286.6
20°	2186.0	2189.6	2214.7	2236.3	2254.3
22.5°	2132.0	2139.2	2168.0	2196.7	2211.1
25°	2074.5	2081.7	2114.1	2150.0	2168.0
27.5°	2013.4	2024.2	2056.5	2096.1	2117.6
30°	1945.1	1959.5	1999.0	2042.1	2063.7
32.5°	1876.8	1891.1	1934.3	1984.6	2006.2
35°	1808.5	1822.8	1869.6	1919.9	1945.1
37.5°	1732.9	1747.3	1797.7	1851.6	1880.4
40°	1661.0	1675.4	1722.2	1783.3	1808.5
42.5°	1581.9	1596.3	1646.7	1704.2	1732.9
45°	1495.7	1517.2	1567.6	1625.1	1653.9
47.5°	1416.6	1434.5	1481.3	1542.4	1571.2
50°	1333.9	1351.8	1395.0	1456.1	1477.7
52.5°	1251.2	1269.2	1312.3	1369.8	1391.4
55°	1164.9	1182.9	1222.4	1276.3	1294.3
57.5°	1082.2	1096.6	1132.5	1182.9	1197.2
60°	995.9	1010.3	1039.1	1085.8	1096.6
62.5°	902.4	913.2	945.6	988.7	1003.1
65°	816.1	823.3	848.5	884.5	888.0
67.5°	726.3	733.4	758.6	783.8	794.6
70°	636.4	647.2	665.1	690.3	697.5
72.5°	550.1	560.9	578.8	600.4	604.0
75°	463.8	474.6	492.6	514.1	514.1
77.5°	381.1	391.9	413.5	431.4	431.4
80°	298.4	316.4	338.0	355.9	355.9
82.5°	230.1	244.5	273.2	287.6	287.6
85°	169.0	187.0	215.7	230.1	226.5
87.5°	122.2	140.2	165.4	176.2	172.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)