

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: P385323

Luminaire Tested: **22ID-65-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385323
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-65-L835-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

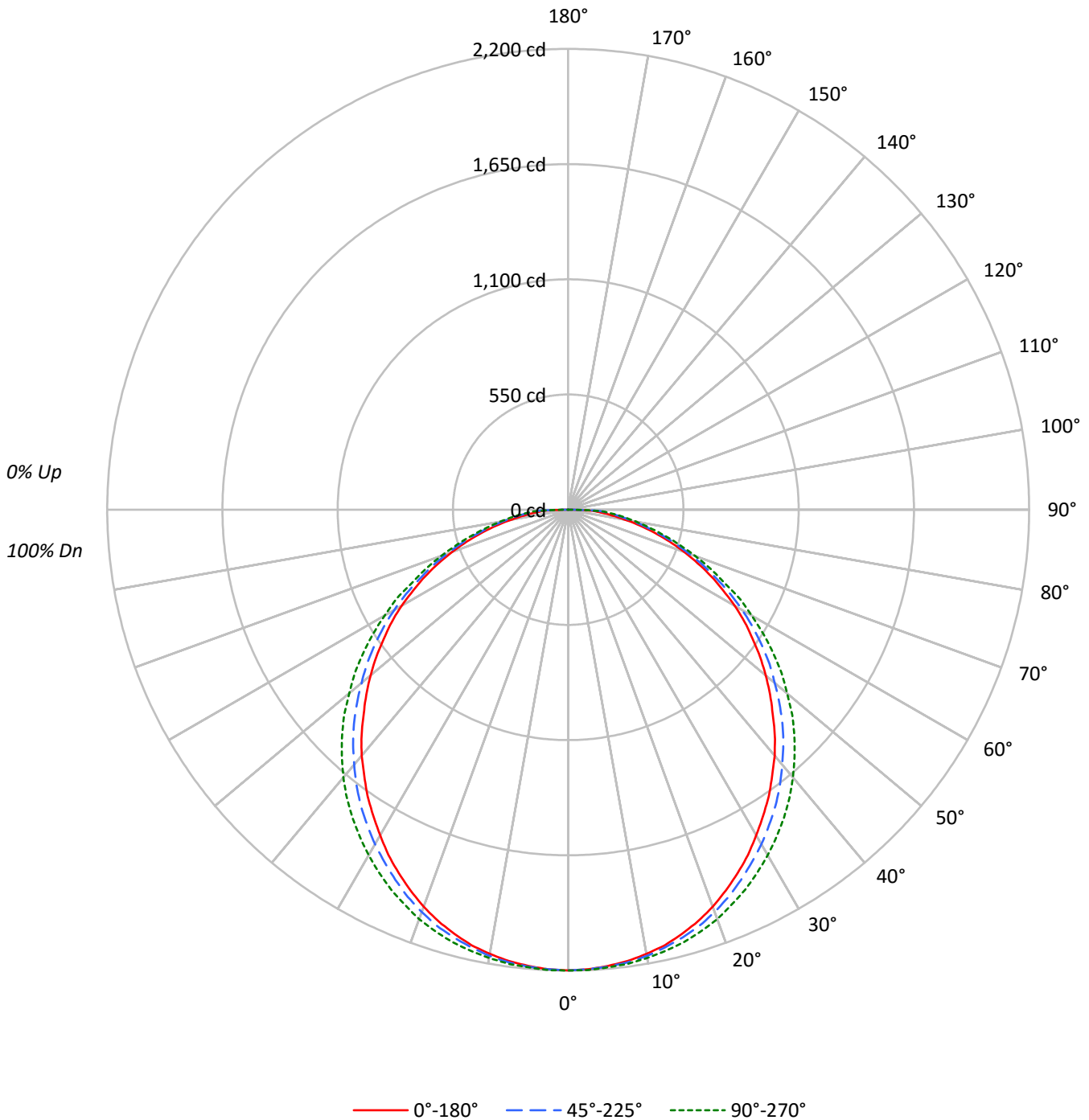
Lumens per Lamp: N/A
Luminaire Lumens: 6379.3 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 56
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°	5919	5919	5919
5°	5863	5854	5880
10°	5798	5790	5851
15°	5713	5707	5822
20°	5606	5611	5781
25°	5471	5490	5717
30°	5321	5366	5645
35°	5180	5235	5571
40°	5032	5080	5479
45°	4848	4924	5361
50°	4687	4725	5192
55°	4506	4529	5007
60°	4322	4285	4759
65°	4068	3979	4426
70°	3759	3647	4120
75°	3394	3282	3762
80°	2897	2896	3456
85°	2465	2618	3305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.1	3.3
10°-20°	596.4	9.3
20°-30°	900.0	14.1
30°-40°	1080.3	16.9
40°-50°	1118.0	17.5
50°-60°	1012.8	15.9
60°-70°	780.3	12.2
70°-80°	482.8	7.6
80°-90°	200.5	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°	1704.5	26.7
0°-40°	2784.8	43.7
0°-60°	4915.6	77.1
0°-90°	6379.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6379.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2200	2200	2200	2200	2200	
5°	2186	2186	2190	2190	2193	208
15°	2097	2100	2113	2126	2136	591
25°	1914	1921	1951	1984	2000	882
35°	1669	1682	1725	1772	1795	1043
45°	1380	1400	1446	1500	1526	1067
55°	1075	1091	1128	1178	1194	962
65°	753	760	783	816	819	745
75°	428	438	454	474	474	453
85°	156	172	199	212	209	168
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2199.5	2199.5	2199.5	2199.5	2199.5
2.5°	2196.1	2196.1	2196.1	2196.1	2199.5
5°	2186.2	2186.2	2189.5	2189.5	2192.8
7.5°	2172.9	2172.9	2179.5	2179.5	2186.2
10°	2153.0	2156.3	2163.0	2166.3	2172.9
12.5°	2129.8	2129.8	2139.7	2149.7	2156.3
15°	2096.6	2099.9	2113.2	2126.5	2136.4
17.5°	2060.1	2063.4	2083.3	2096.6	2109.9
20°	2017.0	2020.3	2043.5	2063.4	2080.0
22.5°	1967.2	1973.9	2000.4	2026.9	2040.2
25°	1914.2	1920.8	1950.6	1983.8	2000.4
27.5°	1857.8	1867.7	1897.6	1934.1	1954.0
30°	1794.7	1808.0	1844.5	1884.3	1904.2
32.5°	1731.7	1745.0	1784.8	1831.2	1851.1
35°	1668.7	1681.9	1725.1	1771.5	1794.7
37.5°	1599.0	1612.3	1658.7	1708.5	1735.0
40°	1532.7	1545.9	1589.0	1645.4	1668.7
42.5°	1459.7	1472.9	1519.4	1572.5	1599.0
45°	1380.0	1400.0	1446.4	1499.5	1526.0
47.5°	1307.1	1323.7	1366.8	1423.2	1449.7
50°	1230.8	1247.4	1287.2	1343.6	1363.5
52.5°	1154.5	1171.1	1210.9	1263.9	1283.8
55°	1074.8	1091.4	1127.9	1177.7	1194.3
57.5°	998.5	1011.8	1045.0	1091.4	1104.7
60°	918.9	932.2	958.7	1001.9	1011.8
62.5°	832.7	842.6	872.5	912.3	925.6
65°	753.1	759.7	782.9	816.1	819.4
67.5°	670.1	676.8	700.0	723.2	733.2
70°	587.2	597.1	613.7	636.9	643.6
72.5°	507.6	517.5	534.1	554.0	557.3
75°	427.9	437.9	454.5	474.4	474.4
77.5°	351.6	361.6	381.5	398.1	398.1
80°	275.3	291.9	311.8	328.4	328.4
82.5°	212.3	225.6	252.1	265.4	265.4
85°	155.9	172.5	199.0	212.3	209.0
87.5°	112.8	129.4	152.6	162.6	159.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)