

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: P385283

Luminaire Tested: **14ID-85-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385283
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: 14ID-85-L835-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

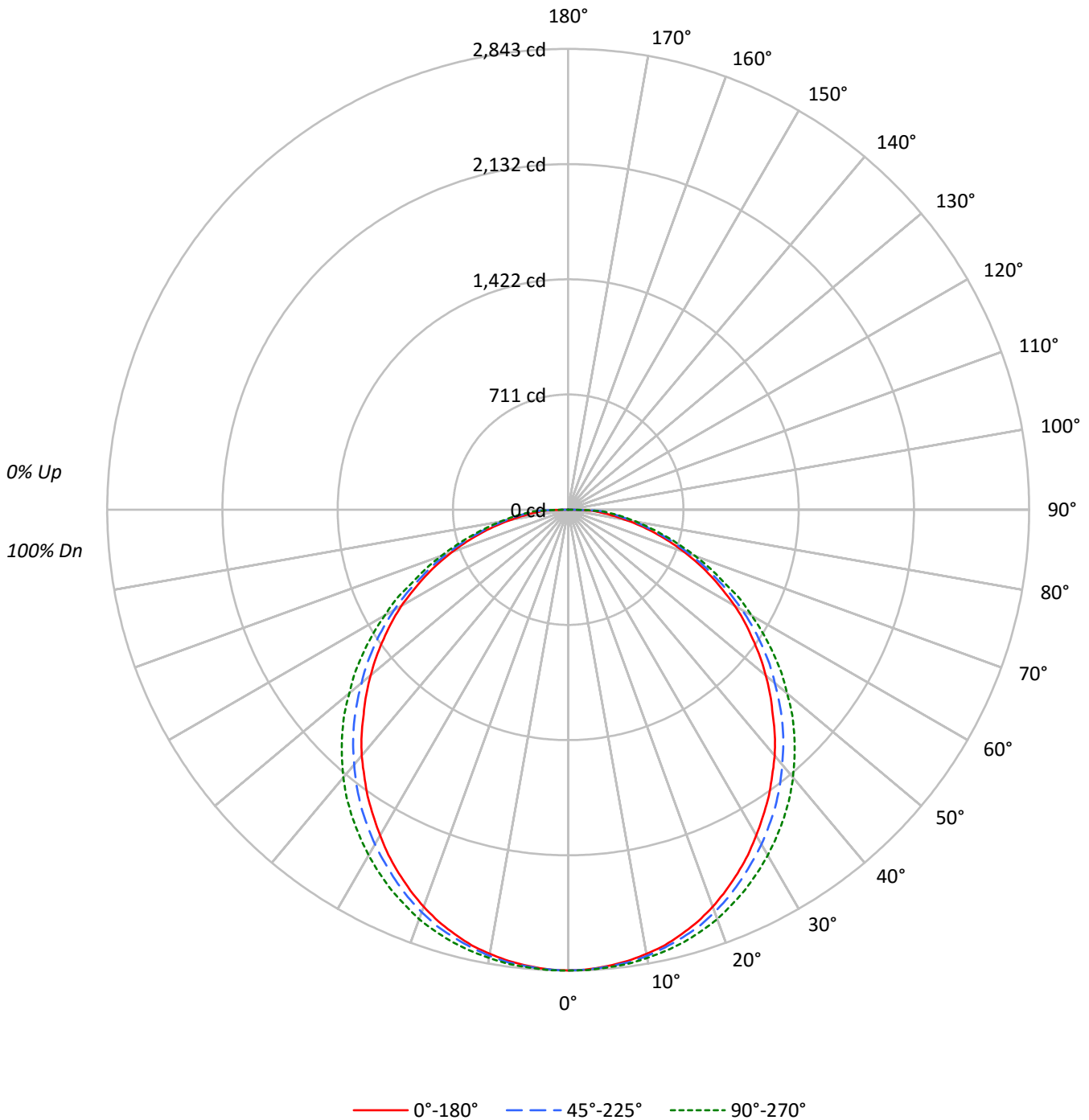
Lumens per Lamp: N/A
Luminaire Lumens: 8245.2 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 83.3
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°	7650	7650	7650
5°	7605	7547	7546
10°	7548	7446	7455
15°	7466	7320	7364
20°	7354	7179	7258
25°	7206	7005	7123
30°	7039	6827	6976
35°	6884	6640	6824
40°	6723	6421	6647
45°	6517	6201	6434
50°	6345	5924	6155
55°	6151	5651	5850
60°	5962	5314	5462
65°	5689	4896	4968
70°	5358	4443	4489
75°	4977	3941	3930
80°	4461	3402	3382
85°	4214	2960	2871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.0	3.3
10°-20°	770.8	9.3
20°-30°	1163.3	14.1
30°-40°	1396.2	16.9
40°-50°	1445.0	17.5
50°-60°	1309.1	15.9
60°-70°	1008.6	12.2
70°-80°	624.1	7.6
80°-90°	259.2	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°	2203.1	26.7
0°-40°	3599.3	43.7
0°-60°	6353.4	77.1
0°-90°	8245.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8245.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2843	2843	2843	2843	2843	
5°	2826	2826	2830	2830	2834	268
15°	2710	2714	2731	2748	2761	764
25°	2474	2483	2521	2564	2586	1140
35°	2157	2174	2230	2290	2320	1348
45°	1784	1809	1870	1938	1972	1379
55°	1389	1411	1458	1522	1544	1244
65°	973	982	1012	1055	1059	962
75°	553	566	587	613	613	586
85°	202	223	257	274	270	218
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2842.8	2842.8	2842.8	2842.8	2842.8
2.5°	2838.5	2838.5	2838.5	2838.5	2842.8
5°	2825.6	2825.6	2829.9	2829.9	2834.2
7.5°	2808.5	2808.5	2817.1	2817.1	2825.6
10°	2782.7	2787.0	2795.6	2799.9	2808.5
12.5°	2752.7	2752.7	2765.6	2778.5	2787.0
15°	2709.9	2714.1	2731.3	2748.4	2761.3
17.5°	2662.7	2667.0	2692.7	2709.9	2727.0
20°	2607.0	2611.2	2641.3	2667.0	2688.4
22.5°	2542.6	2551.2	2585.5	2619.8	2637.0
25°	2474.0	2482.6	2521.2	2564.1	2585.5
27.5°	2401.1	2414.0	2452.6	2499.8	2525.5
30°	2319.7	2336.8	2384.0	2435.4	2461.2
32.5°	2238.2	2255.4	2306.8	2366.8	2392.6
35°	2156.7	2173.9	2229.6	2289.7	2319.7
37.5°	2066.7	2083.8	2143.9	2208.2	2242.5
40°	1980.9	1998.1	2053.8	2126.7	2156.7
42.5°	1886.6	1903.8	1963.8	2032.4	2066.7
45°	1783.7	1809.4	1869.5	1938.1	1972.4
47.5°	1689.4	1710.8	1766.6	1839.4	1873.7
50°	1590.8	1612.2	1663.6	1736.5	1762.3
52.5°	1492.1	1513.6	1565.0	1633.6	1659.4
55°	1389.2	1410.7	1457.8	1522.2	1543.6
57.5°	1290.6	1307.8	1350.6	1410.7	1427.8
60°	1187.7	1204.9	1239.2	1294.9	1307.8
62.5°	1076.2	1089.1	1127.7	1179.1	1196.3
65°	973.3	981.9	1011.9	1054.8	1059.1
67.5°	866.1	874.7	904.7	934.7	947.6
70°	758.9	771.8	793.2	823.2	831.8
72.5°	656.0	668.9	690.3	716.1	720.3
75°	553.1	566.0	587.4	613.1	613.1
77.5°	454.5	467.4	493.1	514.5	514.5
80°	355.9	377.3	403.0	424.5	424.5
82.5°	274.4	291.6	325.9	343.0	343.0
85°	201.5	223.0	257.3	274.4	270.1
87.5°	145.8	167.2	197.2	210.1	205.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)