

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: P383931

Luminaire Tested: **14ID-75-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-75-L835-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

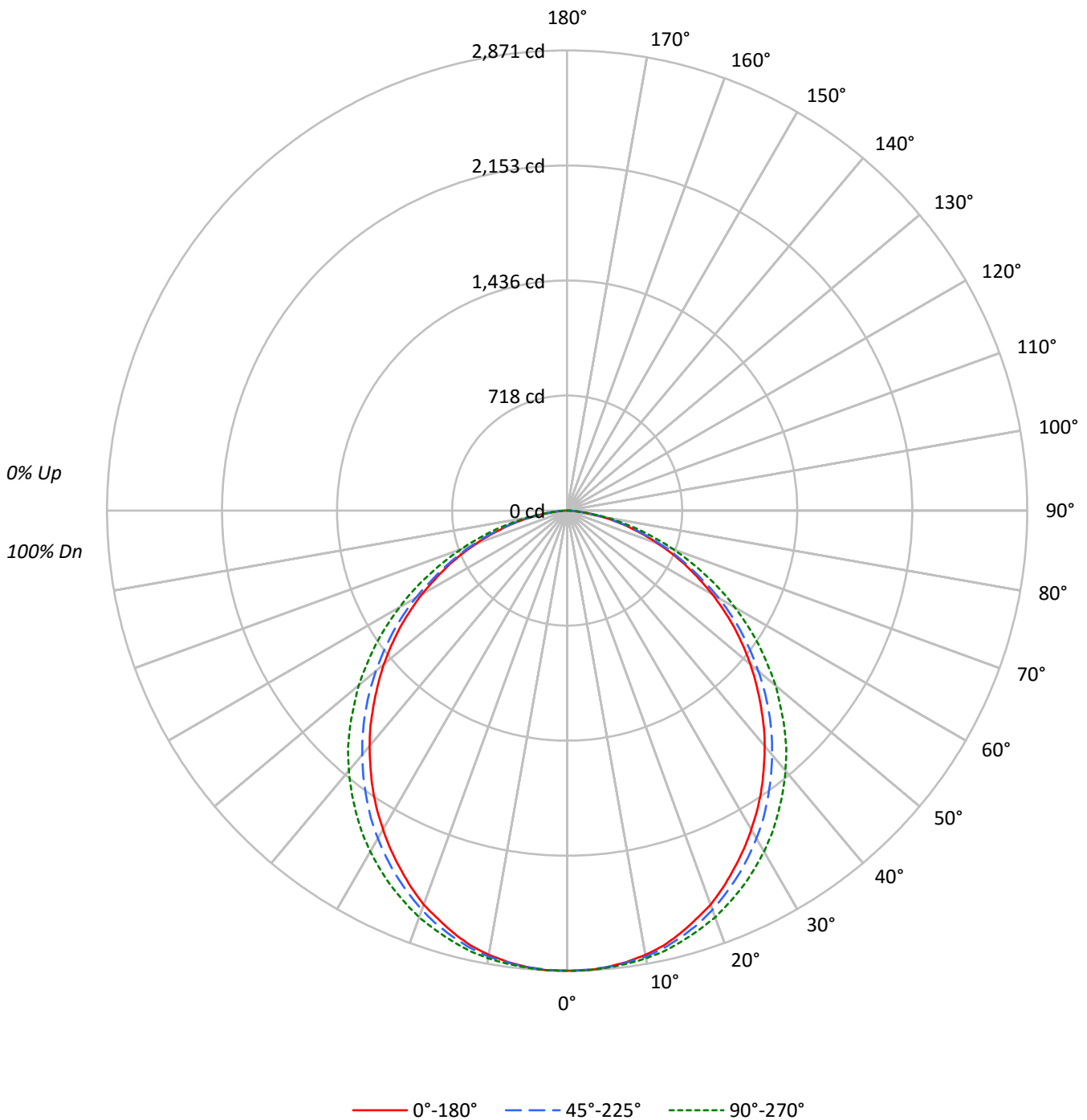
Lumens per Lamp: N/A
Luminaire Lumens: 7578.4 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.9
Input Voltage (V): NR
Input Current (A_{in}): 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



TEST NUMBER: P383931
CATALOG NUMBER: 14ID-75-L835-CFR2

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	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7725	7725	7725
5°	7724	7724	7734
10°	7689	7720	7751
15°	7606	7670	7744
20°	7493	7590	7732
25°	7318	7475	7690
30°	7139	7339	7634
35°	6948	7173	7547
40°	6737	6990	7443
45°	6489	6778	7298
50°	6248	6518	7106
55°	5968	6236	6841
60°	5641	5886	6499
65°	5247	5416	6069
70°	4751	4930	5557
75°	4145	4303	4857
80°	3353	3412	3825
85°	1995	2226	1877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	3.6
10°-20°	776.8	10.2
20°-30°	1161.9	15.3
30°-40°	1372.8	18.1
40°-50°	1385.3	18.3
50°-60°	1203.0	15.9
60°-70°	862.6	11.4
70°-80°	449.4	5.9
80°-90°	94.9	1.3
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°	2210.5	29.2
0°-40°	3583.3	47.3
0°-60°	6171.5	81.4
0°-90°	7578.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7578.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2871	2871	2871	2871	2871	
5°	2859	2856	2859	2859	2863	271
15°	2730	2734	2753	2772	2780	769
25°	2464	2480	2518	2567	2590	1136
35°	2115	2130	2184	2263	2297	1322
45°	1705	1724	1781	1872	1918	1317
55°	1272	1284	1329	1416	1458	1136
65°	824	820	851	915	953	815
75°	399	395	414	444	467	425
85°	65	72	72	65	61	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2870.8	2870.8	2870.8	2870.8	2870.8
2.5°	2870.8	2867.0	2867.0	2867.0	2870.8
5°	2859.4	2855.6	2859.4	2859.4	2863.2
7.5°	2840.4	2836.6	2844.2	2848.0	2851.8
10°	2813.8	2813.8	2825.2	2832.8	2836.6
12.5°	2779.7	2779.7	2794.9	2806.2	2813.8
15°	2730.3	2734.1	2753.1	2772.1	2779.7
17.5°	2673.3	2684.7	2707.5	2734.1	2741.7
20°	2616.4	2624.0	2650.6	2684.7	2699.9
22.5°	2544.2	2555.6	2586.0	2631.6	2646.8
25°	2464.5	2479.7	2517.6	2567.0	2589.8
27.5°	2384.7	2396.1	2441.7	2498.7	2525.2
30°	2297.4	2312.6	2362.0	2426.5	2456.9
32.5°	2210.1	2221.5	2278.4	2346.8	2380.9
35°	2115.1	2130.3	2183.5	2263.2	2297.4
37.5°	2016.4	2035.4	2088.5	2172.1	2210.1
40°	1917.7	1929.1	1989.8	2073.4	2118.9
42.5°	1815.1	1830.3	1887.3	1978.4	2024.0
45°	1705.0	1724.0	1781.0	1872.1	1917.7
47.5°	1598.7	1617.7	1670.8	1762.0	1803.7
50°	1492.4	1503.8	1556.9	1648.1	1697.4
52.5°	1382.2	1393.6	1443.0	1530.3	1575.9
55°	1272.1	1283.5	1329.1	1416.4	1458.2
57.5°	1158.2	1165.8	1211.4	1291.1	1332.9
60°	1048.1	1051.9	1093.6	1165.8	1207.6
62.5°	930.4	934.1	964.5	1048.1	1086.0
65°	824.0	820.2	850.6	915.2	953.1
67.5°	713.9	713.9	740.5	797.4	827.8
70°	603.8	603.8	626.6	675.9	706.3
72.5°	501.3	501.3	520.2	558.2	581.0
75°	398.7	394.9	413.9	444.3	467.1
77.5°	303.8	303.8	311.4	338.0	353.2
80°	216.4	216.4	220.2	235.4	246.8
82.5°	136.7	136.7	136.7	144.3	148.1
85°	64.6	72.1	72.1	64.6	60.8
87.5°	30.4	30.4	26.6	26.6	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)