

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: P383763

Luminaire Tested: **14ID-75-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-75-L835-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

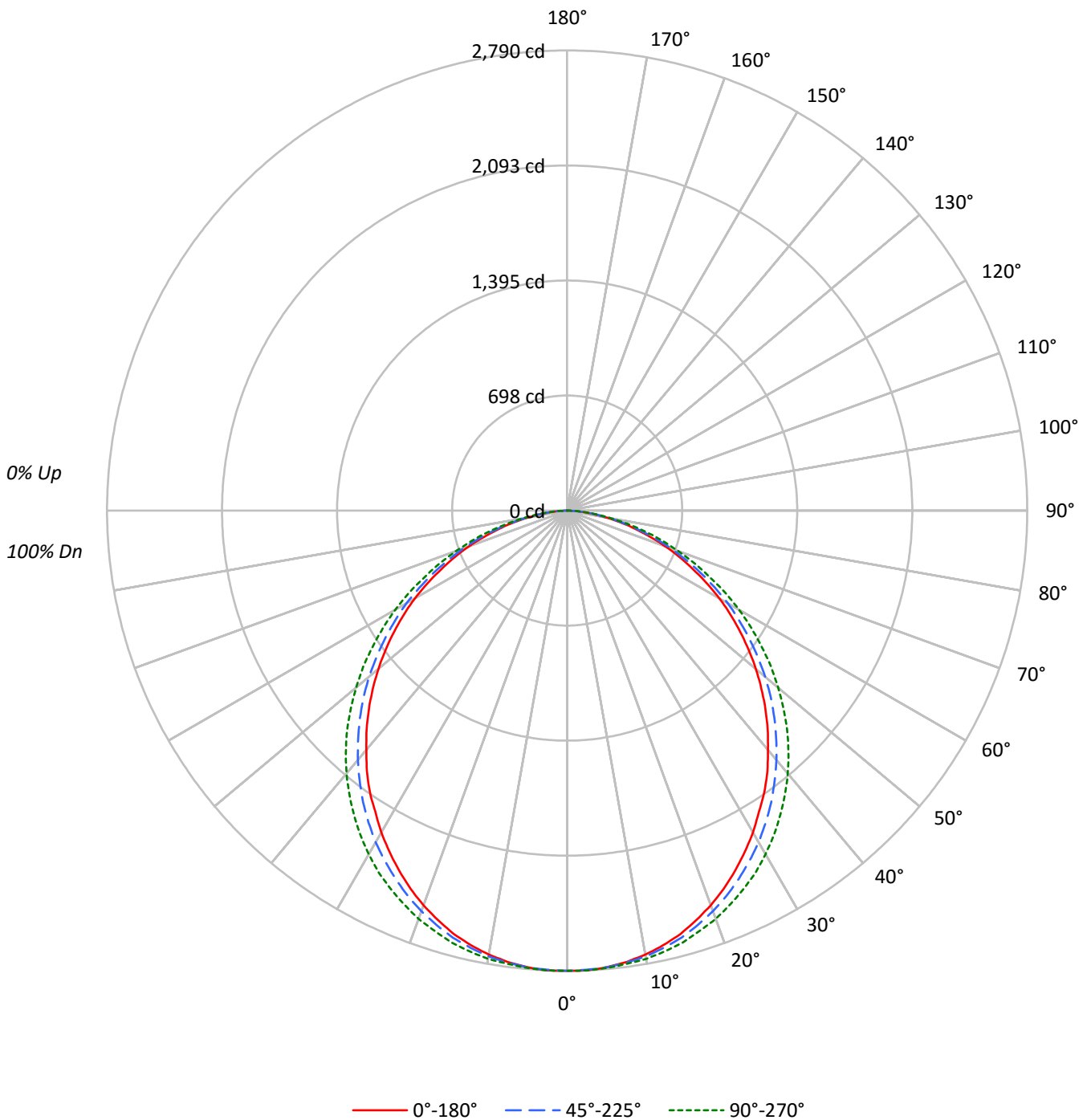
Lumens per Lamp: N/A
Luminaire Lumens: 7578.4 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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



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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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7509	7509	7509
5°	7507	7507	7517
10°	7468	7500	7541
15°	7402	7466	7551
20°	7292	7401	7543
25°	7153	7312	7516
30°	7000	7214	7474
35°	6850	7088	7401
40°	6655	6936	7312
45°	6470	6760	7181
50°	6256	6559	6990
55°	6009	6313	6761
60°	5745	6053	6483
65°	5365	5680	6068
70°	4979	5249	5609
75°	4440	4677	5073
80°	3722	3899	4254
85°	2825	2825	3177



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.1	3.5
10°-20°	755.7	10.0
20°-30°	1136.3	15.0
30°-40°	1351.7	17.8
40°-50°	1375.4	18.1
50°-60°	1210.4	16.0
60°-70°	887.9	11.7
70°-80°	482.0	6.4
80°-90°	115.0	1.5
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°	2156.0	28.4
0°-40°	3507.7	46.3
0°-60°	6093.5	80.4
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°	2790	2790	2790	2790	2790	
5°	2779	2775	2779	2779	2783	264
15°	2657	2661	2680	2695	2710	748
25°	2409	2424	2463	2504	2531	1110
35°	2085	2100	2158	2222	2253	1302
45°	1700	1715	1776	1853	1887	1311
55°	1281	1300	1346	1410	1441	1145
65°	842	858	892	930	953	837
75°	427	435	450	473	488	454
85°	92	92	92	99	103	110
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2790.4	2790.4	2790.4	2790.4	2790.4
2.5°	2790.4	2786.6	2786.6	2786.6	2790.4
5°	2779.0	2775.2	2779.0	2779.0	2782.8
7.5°	2759.9	2756.1	2763.7	2767.6	2771.4
10°	2733.2	2733.2	2744.7	2752.3	2759.9
12.5°	2698.9	2702.8	2714.2	2725.6	2737.1
15°	2657.0	2660.8	2679.9	2695.1	2710.4
17.5°	2603.6	2611.3	2634.1	2657.0	2672.3
20°	2546.5	2557.9	2584.6	2615.1	2634.1
22.5°	2481.7	2496.9	2527.4	2565.5	2584.6
25°	2409.2	2424.5	2462.6	2504.5	2531.2
27.5°	2333.0	2352.0	2394.0	2443.5	2474.0
30°	2252.9	2272.0	2321.5	2374.9	2405.4
32.5°	2165.3	2188.1	2241.5	2302.5	2333.0
35°	2085.2	2100.4	2157.6	2222.4	2252.9
37.5°	1993.7	2012.8	2066.1	2134.8	2169.1
40°	1894.6	1913.7	1974.6	2043.3	2081.4
42.5°	1799.3	1814.5	1875.5	1951.8	1986.1
45°	1700.2	1715.4	1776.4	1852.7	1887.0
47.5°	1597.3	1616.3	1673.5	1745.9	1780.2
50°	1494.3	1509.6	1566.8	1635.4	1669.7
52.5°	1387.6	1402.8	1456.2	1524.8	1559.1
55°	1280.9	1299.9	1345.7	1410.5	1441.0
57.5°	1174.1	1193.2	1235.1	1296.1	1322.8
60°	1067.4	1082.6	1124.6	1177.9	1204.6
62.5°	953.0	964.5	1006.4	1059.8	1082.6
65°	842.5	857.7	892.0	930.1	953.0
67.5°	739.5	747.2	777.7	819.6	834.8
70°	632.8	640.4	667.1	701.4	712.9
72.5°	526.1	537.5	556.6	587.1	602.3
75°	427.0	434.6	449.8	472.7	487.9
77.5°	331.6	335.5	346.9	366.0	377.4
80°	240.2	244.0	251.6	266.8	274.5
82.5°	160.1	163.9	167.7	175.4	183.0
85°	91.5	91.5	91.5	99.1	102.9
87.5°	34.3	30.5	30.5	30.5	30.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)