

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: P383771

Luminaire Tested: **14ID-85-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383771
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-85-L835-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

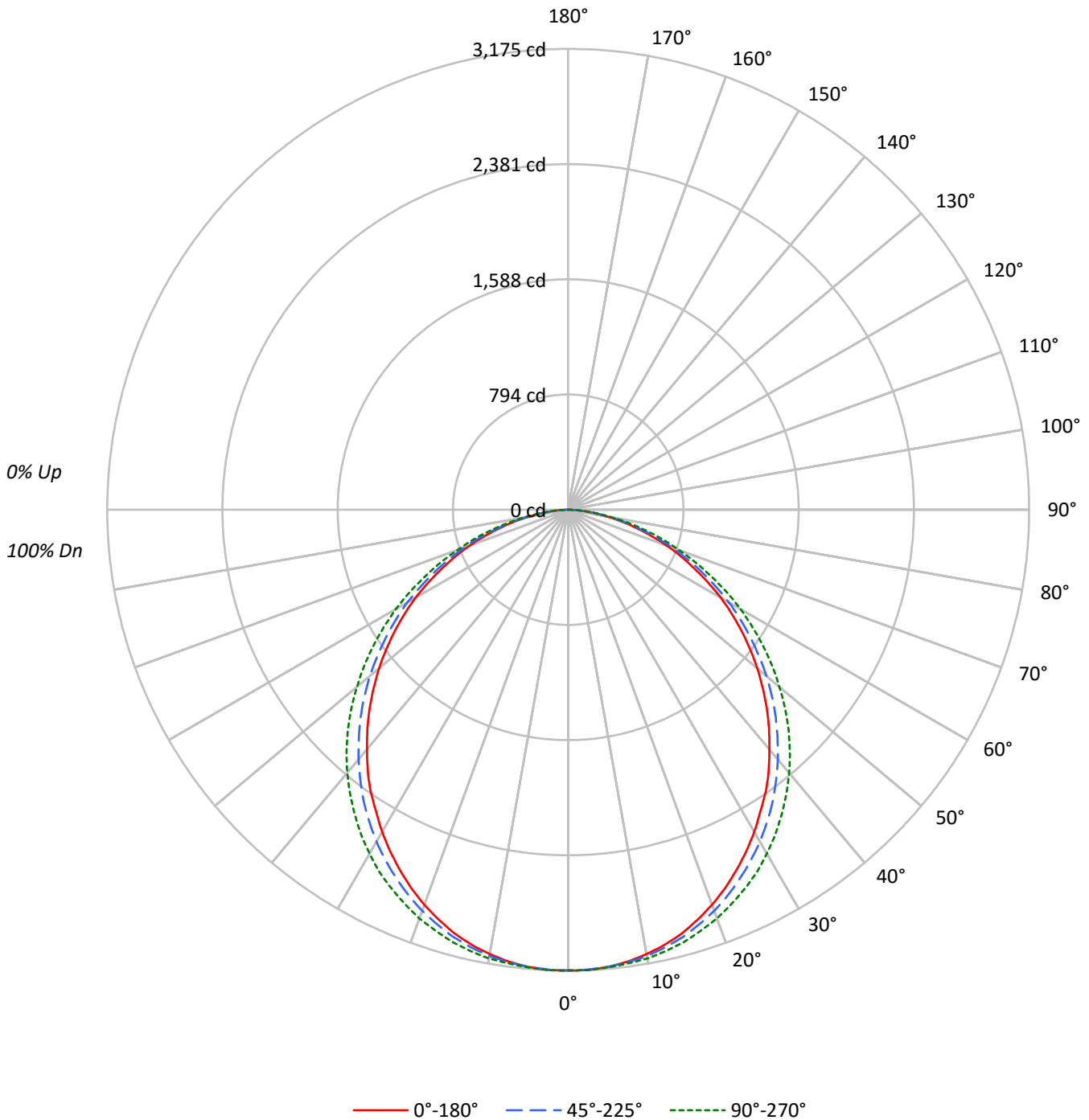
Lumens per Lamp: N/A
Luminaire Lumens: 8621.7 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 83.3
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°	8543	8543	8543
5°	8540	8540	8552
10°	8497	8532	8580
15°	8421	8494	8590
20°	8296	8420	8582
25°	8138	8318	8550
30°	7964	8207	8503
35°	7793	8064	8420
40°	7572	7892	8318
45°	7361	7691	8170
50°	7117	7462	7952
55°	6837	7182	7691
60°	6535	6886	7375
65°	6103	6462	6904
70°	5664	5972	6381
75°	5050	5320	5771
80°	4234	4435	4840
85°	3214	3214	3616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.5	3.5
10°-20°	859.7	10.0
20°-30°	1292.7	15.0
30°-40°	1537.8	17.8
40°-50°	1564.7	18.1
50°-60°	1377.1	16.0
60°-70°	1010.1	11.7
70°-80°	548.3	6.4
80°-90°	130.8	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°	2452.9	28.4
0°-40°	3990.6	46.3
0°-60°	6932.4	80.4
0°-90°	8621.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8621.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3175	3175	3175	3175	3175	
5°	3162	3157	3162	3162	3166	300
15°	3023	3027	3049	3066	3084	851
25°	2741	2758	2802	2849	2880	1262
35°	2372	2390	2455	2528	2563	1481
45°	1934	1952	2021	2108	2147	1491
55°	1457	1479	1531	1605	1639	1303
65°	958	976	1015	1058	1084	953
75°	486	494	512	538	555	516
85°	104	104	104	113	117	126
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3174.6	3174.6	3174.6	3174.6	3174.6
2.5°	3174.6	3170.2	3170.2	3170.2	3174.6
5°	3161.6	3157.2	3161.6	3161.6	3165.9
7.5°	3139.9	3135.5	3144.2	3148.6	3152.9
10°	3109.5	3109.5	3122.5	3131.2	3139.9
12.5°	3070.5	3074.8	3087.8	3100.9	3113.9
15°	3022.8	3027.1	3048.8	3066.2	3083.5
17.5°	2962.1	2970.7	2996.8	3022.8	3040.1
20°	2897.0	2910.0	2940.4	2975.1	2996.8
22.5°	2823.3	2840.6	2875.3	2918.7	2940.4
25°	2740.9	2758.2	2801.6	2849.3	2879.7
27.5°	2654.2	2675.8	2723.5	2779.9	2814.6
30°	2563.1	2584.8	2641.1	2701.9	2736.6
32.5°	2463.3	2489.4	2550.1	2619.5	2654.2
35°	2372.3	2389.6	2454.7	2528.4	2563.1
37.5°	2268.2	2289.9	2350.6	2428.6	2467.7
40°	2155.4	2177.1	2246.5	2324.6	2367.9
42.5°	2047.0	2064.3	2133.7	2220.5	2259.5
45°	1934.2	1951.6	2021.0	2107.7	2146.7
47.5°	1817.1	1838.8	1903.9	1986.3	2025.3
50°	1700.0	1717.4	1782.4	1860.5	1899.5
52.5°	1578.6	1596.0	1656.7	1734.7	1773.8
55°	1457.2	1478.9	1530.9	1604.6	1639.3
57.5°	1335.8	1357.4	1405.1	1474.5	1504.9
60°	1214.3	1231.7	1279.4	1340.1	1370.4
62.5°	1084.2	1097.2	1144.9	1205.6	1231.7
65°	958.4	975.8	1014.8	1058.2	1084.2
67.5°	841.4	850.0	884.7	932.4	949.8
70°	719.9	728.6	759.0	798.0	811.0
72.5°	598.5	611.5	633.2	667.9	685.2
75°	485.7	494.4	511.7	537.8	555.1
77.5°	377.3	381.6	394.7	416.3	429.3
80°	273.2	277.6	286.2	303.6	312.3
82.5°	182.1	186.5	190.8	199.5	208.2
85°	104.1	104.1	104.1	112.8	117.1
87.5°	39.0	34.7	34.7	34.7	34.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)