

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: P383995

Luminaire Tested: **22ID-85-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383995
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: 22ID-85-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

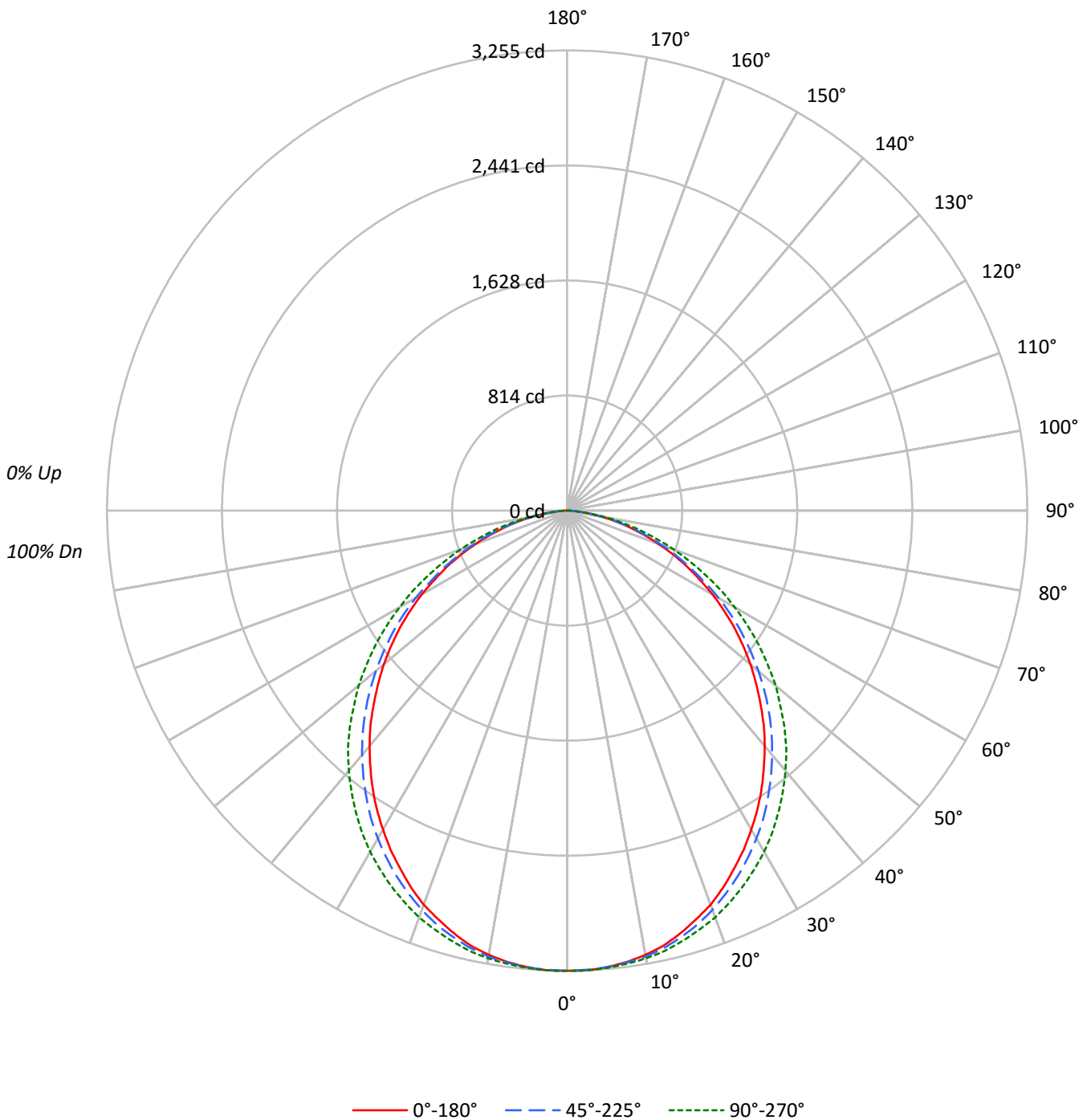
Lumens per Lamp: N/A
Luminaire Lumens: 8593.3 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 76.8
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	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°	8760	8760	8760
5°	8758	8758	8770
10°	8719	8754	8789
15°	8625	8697	8781
20°	8496	8607	8767
25°	8297	8476	8719
30°	8095	8322	8657
35°	7879	8134	8558
40°	7639	7926	8440
45°	7357	7685	8275
50°	7084	7391	8058
55°	6768	7071	7758
60°	6396	6674	7370
65°	5950	6141	6882
70°	5386	5590	6301
75°	4701	4879	5506
80°	3803	3870	4338
85°	2260	2526	2127



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.2	3.6
10°-20°	880.8	10.2
20°-30°	1317.6	15.3
30°-40°	1556.6	18.1
40°-50°	1570.8	18.3
50°-60°	1364.1	15.9
60°-70°	978.1	11.4
70°-80°	509.6	5.9
80°-90°	107.5	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°	2506.5	29.2
0°-40°	4063.2	47.3
0°-60°	6998.0	81.4
0°-90°	8593.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8593.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3255	3255	3255	3255	3255	
5°	3242	3238	3242	3242	3247	308
15°	3096	3100	3122	3143	3152	872
25°	2794	2812	2855	2911	2937	1288
35°	2398	2416	2476	2566	2605	1499
45°	1933	1955	2020	2123	2174	1493
55°	1442	1455	1507	1606	1654	1288
65°	934	930	964	1038	1081	924
75°	452	448	469	504	530	482
85°	73	82	82	73	69	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3255.3	3255.3	3255.3	3255.3	3255.3
2.5°	3255.3	3250.9	3250.9	3250.9	3255.3
5°	3242.3	3238.0	3242.3	3242.3	3246.6
7.5°	3220.8	3216.5	3225.1	3229.4	3233.7
10°	3190.7	3190.7	3203.6	3212.2	3216.5
12.5°	3151.9	3151.9	3169.1	3182.1	3190.7
15°	3095.9	3100.2	3121.8	3143.3	3151.9
17.5°	3031.3	3044.3	3070.1	3100.2	3108.9
20°	2966.8	2975.4	3005.5	3044.3	3061.5
22.5°	2884.9	2897.9	2932.3	2984.0	3001.2
25°	2794.5	2811.7	2854.8	2910.8	2936.6
27.5°	2704.1	2717.0	2768.7	2833.3	2863.4
30°	2605.1	2622.3	2678.3	2751.5	2785.9
32.5°	2506.0	2518.9	2583.5	2661.0	2699.8
35°	2398.4	2415.6	2475.9	2566.3	2605.1
37.5°	2286.4	2308.0	2368.2	2463.0	2506.0
40°	2174.5	2187.4	2256.3	2351.0	2402.7
42.5°	2058.2	2075.4	2140.0	2243.4	2295.0
45°	1933.3	1954.9	2019.5	2122.8	2174.5
47.5°	1812.8	1834.3	1894.6	1997.9	2045.3
50°	1692.2	1705.1	1765.4	1868.8	1924.7
52.5°	1567.3	1580.3	1636.2	1735.3	1786.9
55°	1442.5	1455.4	1507.1	1606.1	1653.5
57.5°	1313.3	1321.9	1373.6	1464.0	1511.4
60°	1188.4	1192.7	1240.1	1321.9	1369.3
62.5°	1054.9	1059.2	1093.7	1188.4	1231.5
65°	934.4	930.1	964.5	1037.7	1080.8
67.5°	809.5	809.5	839.6	904.2	938.7
70°	684.6	684.6	710.5	766.4	800.9
72.5°	568.4	568.4	589.9	633.0	658.8
75°	452.1	447.8	469.3	503.8	529.6
77.5°	344.5	344.5	353.1	383.2	400.4
80°	245.4	245.4	249.7	267.0	279.9
82.5°	155.0	155.0	155.0	163.6	167.9
85°	73.2	81.8	81.8	73.2	68.9
87.5°	34.4	34.4	30.1	30.1	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)