

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: P383994

Luminaire Tested: **22ID-85-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383994
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-L830-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

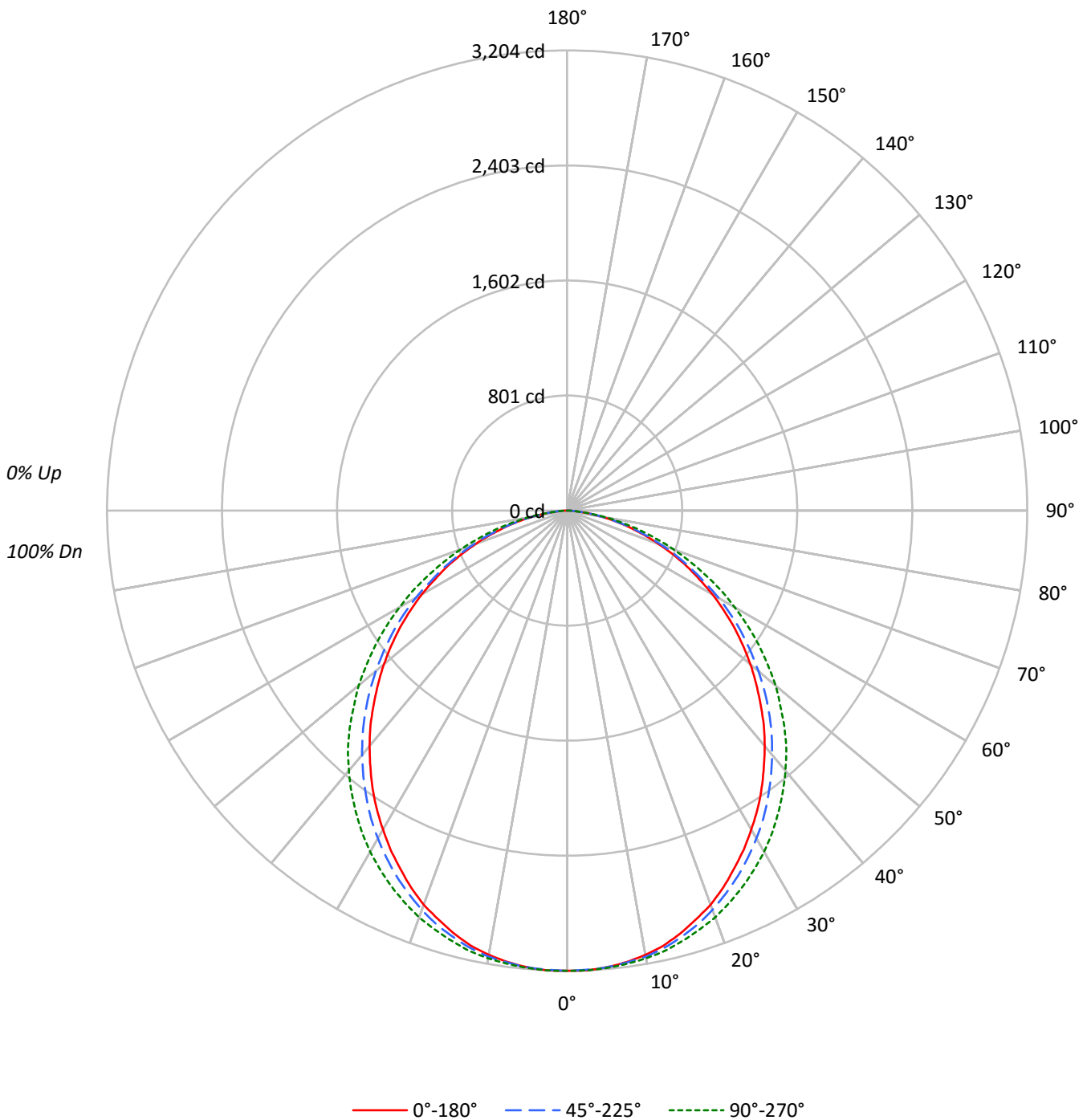
Lumens per Lamp: N/A
Luminaire Lumens: 8459.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 76.8
Input Voltage (V): NR
Input Current (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	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°	8623	8623	8623
5°	8622	8622	8633
10°	8582	8617	8652
15°	8490	8561	8644
20°	8363	8472	8630
25°	8168	8344	8583
30°	7968	8192	8521
35°	7756	8006	8424
40°	7519	7802	8308
45°	7242	7565	8146
50°	6974	7275	7932
55°	6662	6960	7636
60°	6296	6570	7254
65°	5857	6045	6774
70°	5302	5503	6203
75°	4628	4803	5420
80°	3744	3809	4269
85°	2226	2485	2093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.4	3.6
10°-20°	867.0	10.2
20°-30°	1297.0	15.3
30°-40°	1532.3	18.1
40°-50°	1546.2	18.3
50°-60°	1342.8	15.9
60°-70°	962.9	11.4
70°-80°	501.6	5.9
80°-90°	105.9	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°	2467.4	29.2
0°-40°	3999.7	47.3
0°-60°	6888.7	81.4
0°-90°	8459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3204	3204	3204	3204	3204	
5°	3192	3187	3192	3192	3196	303
15°	3048	3052	3073	3094	3103	859
25°	2751	2768	2810	2865	2891	1267
35°	2361	2378	2437	2526	2564	1476
45°	1903	1924	1988	2090	2140	1470
55°	1420	1433	1484	1581	1628	1268
65°	920	916	949	1022	1064	909
75°	445	441	462	496	521	475
85°	72	80	80	72	68	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3204.4	3204.4	3204.4	3204.4	3204.4
2.5°	3204.4	3200.1	3200.1	3200.1	3204.4
5°	3191.7	3187.4	3191.7	3191.7	3195.9
7.5°	3170.5	3166.2	3174.7	3178.9	3183.2
10°	3140.8	3140.8	3153.5	3162.0	3166.2
12.5°	3102.7	3102.7	3119.6	3132.3	3140.8
15°	3047.6	3051.8	3073.0	3094.2	3102.7
17.5°	2984.0	2996.7	3022.1	3051.8	3060.3
20°	2920.4	2928.9	2958.5	2996.7	3013.6
22.5°	2839.9	2852.6	2886.5	2937.3	2954.3
25°	2750.9	2767.8	2810.2	2865.3	2890.7
27.5°	2661.8	2674.6	2725.4	2789.0	2818.7
30°	2564.4	2581.3	2636.4	2708.5	2742.4
32.5°	2466.9	2479.6	2543.2	2619.5	2657.6
35°	2360.9	2377.9	2437.2	2526.2	2564.4
37.5°	2250.7	2271.9	2331.2	2424.5	2466.9
40°	2140.5	2153.2	2221.0	2314.3	2365.1
42.5°	2026.1	2043.0	2106.6	2208.3	2259.2
45°	1903.1	1924.3	1987.9	2089.6	2140.5
47.5°	1784.5	1805.6	1865.0	1966.7	2013.3
50°	1665.8	1678.5	1737.8	1839.6	1894.7
52.5°	1542.9	1555.6	1610.7	1708.2	1759.0
55°	1419.9	1432.6	1483.5	1581.0	1627.6
57.5°	1292.8	1301.2	1352.1	1441.1	1487.7
60°	1169.9	1174.1	1220.7	1301.2	1347.9
62.5°	1038.5	1042.7	1076.6	1169.9	1212.2
65°	919.8	915.5	949.4	1021.5	1063.9
67.5°	796.9	796.9	826.5	890.1	924.0
70°	673.9	673.9	699.4	754.5	788.4
72.5°	559.5	559.5	580.7	623.1	648.5
75°	445.1	440.8	462.0	495.9	521.3
77.5°	339.1	339.1	347.6	377.2	394.2
80°	241.6	241.6	245.8	262.8	275.5
82.5°	152.6	152.6	152.6	161.1	165.3
85°	72.1	80.5	80.5	72.1	67.8
87.5°	33.9	33.9	29.7	29.7	29.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)