

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: P383991

Luminaire Tested: **22ID-80-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383991
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-80-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

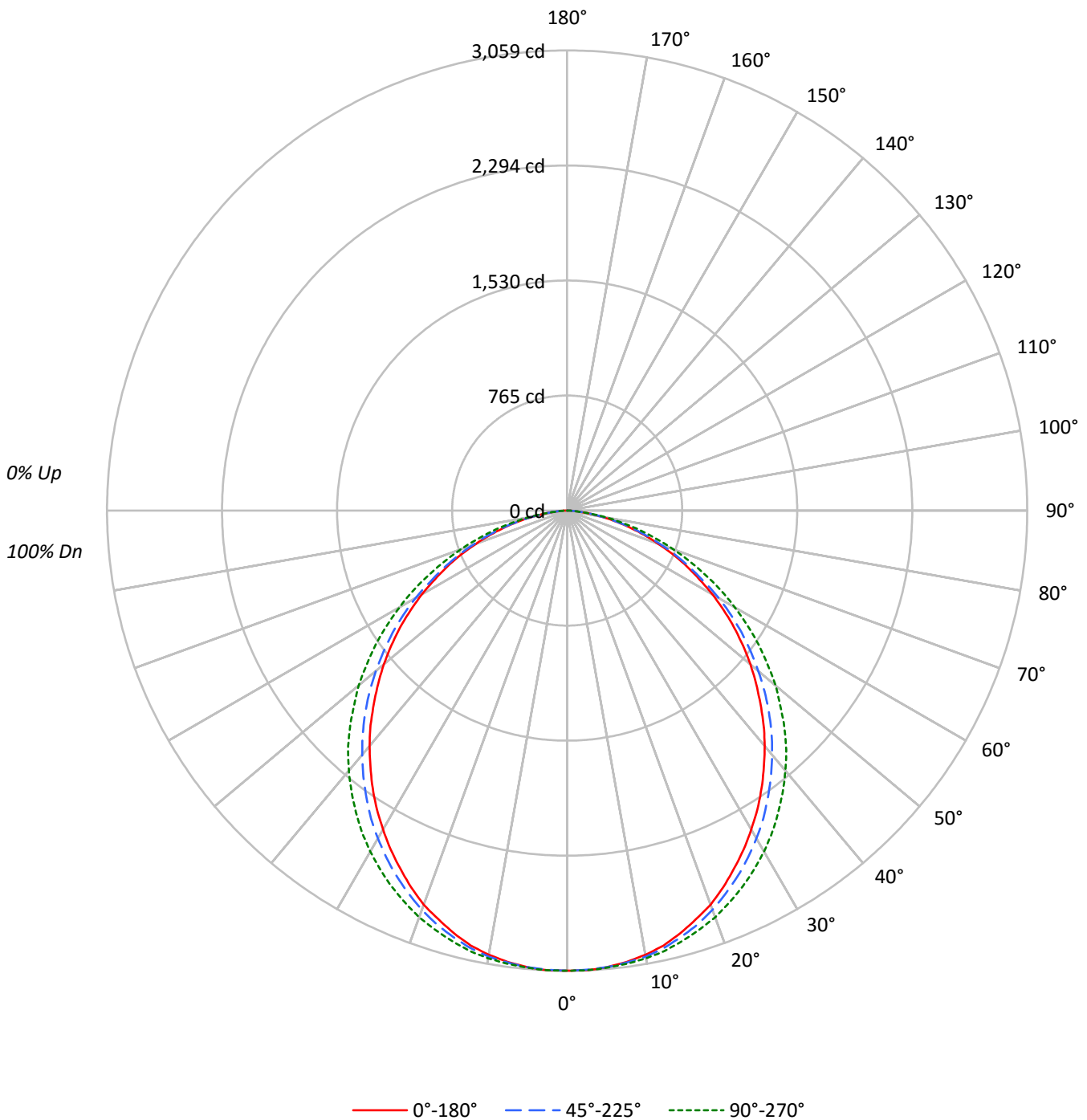
Lumens per Lamp: N/A
Luminaire Lumens: 8074.2 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 70.8
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°	8231	8231	8231
5°	8229	8229	8240
10°	8192	8225	8258
15°	8104	8172	8250
20°	7983	8087	8238
25°	7796	7964	8193
30°	7606	7819	8134
35°	7403	7642	8041
40°	7177	7447	7930
45°	6913	7221	7775
50°	6656	6944	7571
55°	6358	6643	7289
60°	6009	6271	6924
65°	5590	5771	6466
70°	5061	5253	5921
75°	4417	4585	5174
80°	3574	3637	4076
85°	2124	2374	1998



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.6	3.6
10°-20°	827.6	10.2
20°-30°	1238.0	15.3
30°-40°	1462.6	18.1
40°-50°	1475.9	18.3
50°-60°	1281.7	15.9
60°-70°	919.1	11.4
70°-80°	478.8	5.9
80°-90°	101.1	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°	2355.1	29.2
0°-40°	3817.7	47.3
0°-60°	6575.3	81.4
0°-90°	8074.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8074.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3059	3059	3059	3059	3059	
5°	3046	3042	3046	3046	3050	289
15°	2909	2913	2933	2953	2962	820
25°	2626	2642	2682	2735	2759	1210
35°	2254	2270	2326	2411	2448	1409
45°	1817	1837	1898	1995	2043	1403
55°	1355	1368	1416	1509	1554	1211
65°	878	874	906	975	1016	868
75°	425	421	441	473	498	453
85°	69	77	77	69	65	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3058.6	3058.6	3058.6	3058.6	3058.6
2.5°	3058.6	3054.6	3054.6	3054.6	3058.6
5°	3046.5	3042.4	3046.5	3046.5	3050.5
7.5°	3026.2	3022.2	3030.3	3034.3	3038.4
10°	2997.9	2997.9	3010.1	3018.2	3022.2
12.5°	2961.5	2961.5	2977.7	2989.8	2997.9
15°	2908.9	2913.0	2933.2	2953.4	2961.5
17.5°	2848.2	2860.4	2884.6	2913.0	2921.1
20°	2787.5	2795.6	2824.0	2860.4	2876.6
22.5°	2710.7	2722.8	2755.2	2803.7	2819.9
25°	2625.7	2641.9	2682.4	2735.0	2759.2
27.5°	2540.8	2552.9	2601.4	2662.1	2690.4
30°	2447.7	2463.9	2516.5	2585.3	2617.6
32.5°	2354.6	2366.8	2427.5	2500.3	2536.7
35°	2253.5	2269.7	2326.3	2411.3	2447.7
37.5°	2148.3	2168.5	2225.2	2314.2	2354.6
40°	2043.1	2055.3	2120.0	2209.0	2257.5
42.5°	1933.9	1950.1	2010.8	2107.9	2156.4
45°	1816.6	1836.8	1897.5	1994.6	2043.1
47.5°	1703.3	1723.5	1780.1	1877.2	1921.7
50°	1590.0	1602.1	1658.8	1755.9	1808.5
52.5°	1472.7	1484.8	1537.4	1630.5	1679.0
55°	1355.3	1367.5	1416.0	1509.1	1553.6
57.5°	1234.0	1242.1	1290.6	1375.6	1420.1
60°	1116.6	1120.7	1165.2	1242.1	1286.6
62.5°	991.2	995.3	1027.6	1116.6	1157.1
65°	877.9	873.9	906.3	975.0	1015.5
67.5°	760.6	760.6	788.9	849.6	882.0
70°	643.3	643.3	667.6	720.1	752.5
72.5°	534.0	534.0	554.3	594.7	619.0
75°	424.8	420.8	441.0	473.4	497.6
77.5°	323.7	323.7	331.8	360.1	376.3
80°	230.6	230.6	234.7	250.8	263.0
82.5°	145.6	145.6	145.6	153.7	157.8
85°	68.8	76.9	76.9	68.8	64.7
87.5°	32.4	32.4	28.3	28.3	28.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)