

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: P383767

Luminaire Tested: **14ID-80-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383767
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-80-L835-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

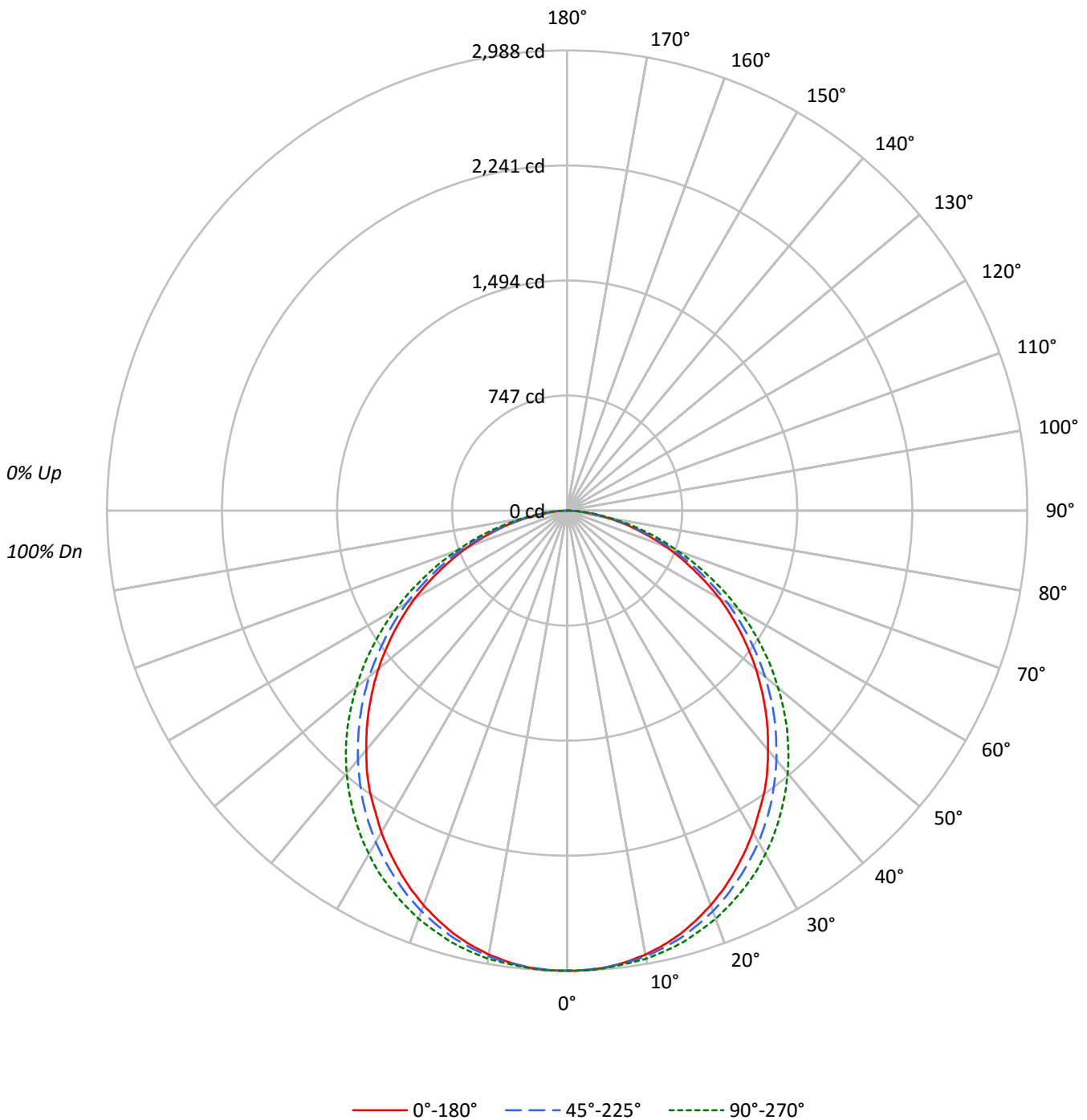
Lumens per Lamp: N/A
Luminaire Lumens: 8114.8 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 77.1
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°	8040	8040	8040
5°	8038	8038	8049
10°	7997	8031	8075
15°	7926	7994	8085
20°	7808	7925	8077
25°	7660	7829	8048
30°	7496	7724	8003
35°	7335	7590	7925
40°	7126	7428	7829
45°	6928	7239	7689
50°	6699	7024	7485
55°	6434	6760	7239
60°	6151	6481	6942
65°	5744	6082	6498
70°	5331	5620	6006
75°	4754	5008	5433
80°	3986	4175	4554
85°	3026	3026	3402



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.8	3.5
10°-20°	809.2	10.0
20°-30°	1216.7	15.0
30°-40°	1447.4	17.8
40°-50°	1472.7	18.1
50°-60°	1296.1	16.0
60°-70°	950.8	11.7
70°-80°	516.1	6.4
80°-90°	123.2	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°	2308.7	28.4
0°-40°	3756.0	46.3
0°-60°	6524.8	80.4
0°-90°	8114.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8114.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2988	2988	2988	2988	2988	
5°	2976	2972	2976	2976	2980	282
15°	2845	2849	2870	2886	2902	801
25°	2580	2596	2637	2682	2710	1188
35°	2233	2249	2310	2380	2412	1394
45°	1820	1837	1902	1984	2020	1403
55°	1372	1392	1441	1510	1543	1227
65°	902	918	955	996	1020	897
75°	457	465	482	506	522	486
85°	98	98	98	106	110	118
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2987.9	2987.9	2987.9	2987.9	2987.9
2.5°	2987.9	2983.9	2983.9	2983.9	2987.9
5°	2975.7	2971.6	2975.7	2975.7	2979.8
7.5°	2955.3	2951.2	2959.4	2963.4	2967.5
10°	2926.7	2926.7	2939.0	2947.1	2955.3
12.5°	2890.0	2894.1	2906.3	2918.5	2930.8
15°	2845.1	2849.2	2869.6	2885.9	2902.2
17.5°	2787.9	2796.1	2820.6	2845.1	2861.4
20°	2726.7	2738.9	2767.5	2800.2	2820.6
22.5°	2657.3	2673.6	2706.3	2747.1	2767.5
25°	2579.7	2596.1	2636.9	2681.8	2710.4
27.5°	2498.1	2518.5	2563.4	2616.5	2649.1
30°	2412.4	2432.8	2485.9	2543.0	2575.7
32.5°	2318.5	2343.0	2400.1	2465.5	2498.1
35°	2232.8	2249.1	2310.3	2379.7	2412.4
37.5°	2134.8	2155.2	2212.4	2285.9	2322.6
40°	2028.7	2049.1	2114.4	2187.9	2228.7
42.5°	1926.6	1943.0	2008.3	2089.9	2126.7
45°	1820.5	1836.8	1902.2	1983.8	2020.5
47.5°	1710.3	1730.7	1791.9	1869.5	1906.2
50°	1600.1	1616.4	1677.7	1751.1	1787.9
52.5°	1485.8	1502.1	1559.3	1632.8	1669.5
55°	1371.5	1391.9	1440.9	1510.3	1543.0
57.5°	1257.2	1277.6	1322.5	1387.8	1416.4
60°	1142.9	1159.3	1204.2	1261.3	1289.9
62.5°	1020.5	1032.7	1077.6	1134.8	1159.3
65°	902.1	918.4	955.2	996.0	1020.5
67.5°	791.9	800.0	832.7	877.6	893.9
70°	677.6	685.8	714.3	751.1	763.3
72.5°	563.3	575.5	596.0	628.6	644.9
75°	457.2	465.3	481.7	506.2	522.5
77.5°	355.1	359.2	371.5	391.9	404.1
80°	257.2	261.2	269.4	285.7	293.9
82.5°	171.4	175.5	179.6	187.8	195.9
85°	98.0	98.0	98.0	106.1	110.2
87.5°	36.7	32.7	32.7	32.7	32.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)