

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: P383939

Luminaire Tested: **14ID-85-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383939
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: 14ID-85-L835-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

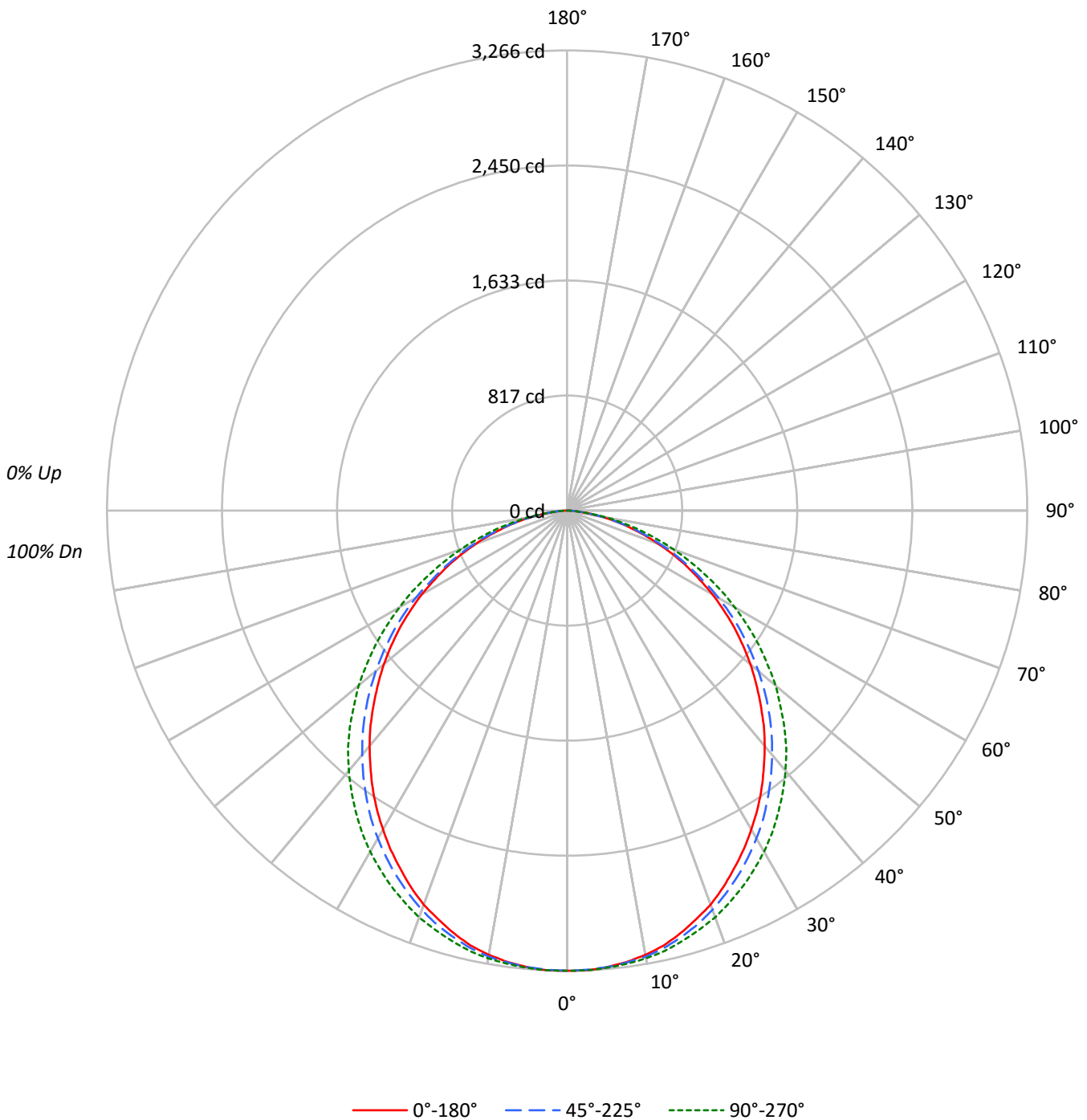
Lumens per Lamp: N/A
Luminaire Lumens: 8621.7 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	8789	8789	8789
5°	8787	8787	8799
10°	8747	8783	8818
15°	8654	8726	8810
20°	8524	8635	8796
25°	8325	8504	8748
30°	8121	8350	8685
35°	7905	8160	8586
40°	7664	7952	8468
45°	7382	7711	8303
50°	7108	7415	8084
55°	6790	7094	7783
60°	6417	6696	7394
65°	5969	6162	6905
70°	5404	5608	6322
75°	4716	4896	5525
80°	3815	3883	4351
85°	2266	2535	2133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.2	3.6
10°-20°	883.7	10.2
20°-30°	1321.9	15.3
30°-40°	1561.8	18.1
40°-50°	1576.0	18.3
50°-60°	1368.6	15.9
60°-70°	981.4	11.4
70°-80°	511.3	5.9
80°-90°	107.9	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°	2514.8	29.2
0°-40°	4076.6	47.3
0°-60°	7021.1	81.4
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°	3266	3266	3266	3266	3266	
5°	3253	3249	3253	3253	3257	309
15°	3106	3110	3132	3154	3162	875
25°	2804	2821	2864	2920	2946	1292
35°	2406	2424	2484	2575	2614	1504
45°	1940	1961	2026	2130	2182	1498
55°	1447	1460	1512	1611	1659	1293
65°	938	933	968	1041	1084	927
75°	454	449	471	506	531	484
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°	3266.0	3266.0	3266.0	3266.0	3266.0
2.5°	3266.0	3261.7	3261.7	3261.7	3266.0
5°	3253.1	3248.7	3253.1	3253.1	3257.4
7.5°	3231.5	3227.1	3235.8	3240.1	3244.4
10°	3201.2	3201.2	3214.2	3222.8	3227.1
12.5°	3162.3	3162.3	3179.6	3192.6	3201.2
15°	3106.2	3110.5	3132.1	3153.7	3162.3
17.5°	3041.4	3054.3	3080.2	3110.5	3119.1
20°	2976.6	2985.2	3015.4	3054.3	3071.6
22.5°	2894.5	2907.4	2942.0	2993.8	3011.1
25°	2803.8	2821.0	2864.2	2920.4	2946.3
27.5°	2713.0	2726.0	2777.8	2842.6	2872.9
30°	2613.7	2631.0	2687.1	2760.6	2795.1
32.5°	2514.3	2527.3	2592.1	2669.8	2708.7
35°	2406.3	2423.6	2484.1	2574.8	2613.7
37.5°	2294.0	2315.6	2376.1	2471.1	2514.3
40°	2181.7	2194.6	2263.7	2358.8	2410.6
42.5°	2065.0	2082.3	2147.1	2250.8	2302.6
45°	1939.7	1961.3	2026.1	2129.8	2181.7
47.5°	1818.8	1840.4	1900.9	2004.5	2052.1
50°	1697.8	1710.8	1771.3	1874.9	1931.1
52.5°	1572.5	1585.5	1641.6	1741.0	1792.9
55°	1447.2	1460.2	1512.0	1611.4	1658.9
57.5°	1317.6	1326.3	1378.1	1468.8	1516.4
60°	1192.4	1196.7	1244.2	1326.3	1373.8
62.5°	1058.4	1062.8	1097.3	1192.4	1235.6
65°	937.5	933.1	967.7	1041.1	1084.4
67.5°	812.2	812.2	842.4	907.2	941.8
70°	686.9	686.9	712.8	769.0	803.5
72.5°	570.3	570.3	591.9	635.1	661.0
75°	453.6	449.3	470.9	505.5	531.4
77.5°	345.6	345.6	354.3	384.5	401.8
80°	246.2	246.2	250.6	267.8	280.8
82.5°	155.5	155.5	155.5	164.2	168.5
85°	73.4	82.1	82.1	73.4	69.1
87.5°	34.6	34.6	30.2	30.2	30.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)