

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: P383923

Luminaire Tested: **14ID-65-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383923
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-65-L835-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

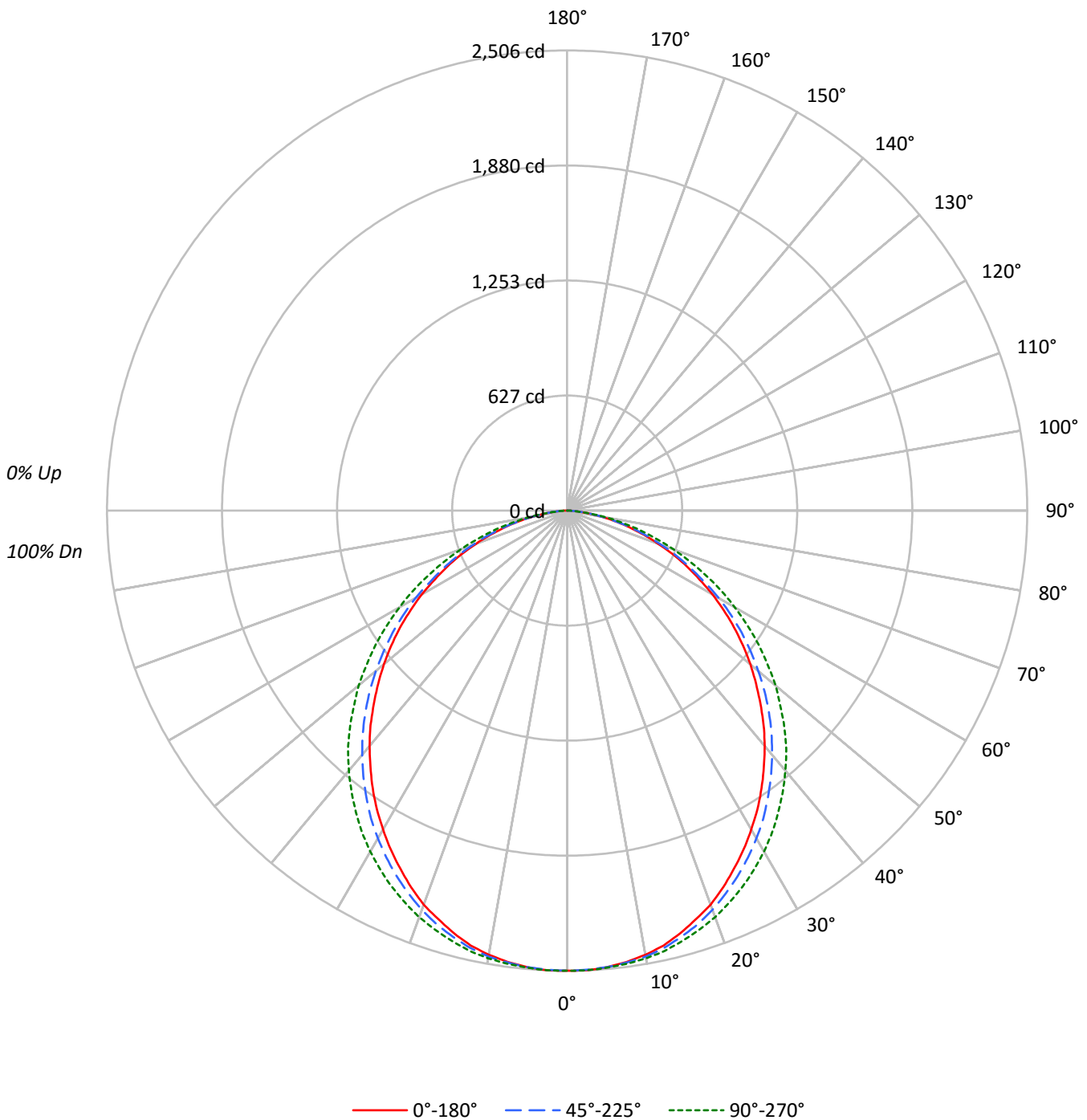
Lumens per Lamp: N/A
Luminaire Lumens: 6614.5 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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



TEST NUMBER: P383923
CATALOG NUMBER: 14ID-65-L835-CFR2

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°	6743	6743	6743
5°	6742	6742	6750
10°	6711	6738	6765
15°	6639	6694	6759
20°	6539	6625	6748
25°	6387	6524	6712
30°	6231	6406	6663
35°	6065	6261	6587
40°	5880	6101	6497
45°	5663	5915	6370
50°	5453	5689	6202
55°	5209	5442	5971
60°	4923	5137	5673
65°	4579	4727	5297
70°	4146	4303	4851
75°	3618	3756	4239
80°	2927	2978	3338
85°	1738	1945	1636



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.2	3.6
10°-20°	678.0	10.2
20°-30°	1014.2	15.3
30°-40°	1198.2	18.1
40°-50°	1209.1	18.3
50°-60°	1050.0	15.9
60°-70°	752.9	11.4
70°-80°	392.2	5.9
80°-90°	82.8	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°	1929.3	29.2
0°-40°	3127.5	47.3
0°-60°	5386.6	81.4
0°-90°	6614.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6614.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2506	2506	2506	2506	2506	
5°	2496	2492	2496	2496	2499	237
15°	2383	2386	2403	2420	2426	672
25°	2151	2164	2197	2240	2260	991
35°	1846	1859	1906	1975	2005	1154
45°	1488	1505	1554	1634	1674	1149
55°	1110	1120	1160	1236	1273	992
65°	719	716	742	799	832	711
75°	348	345	361	388	408	371
85°	56	63	63	56	53	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2505.7	2502.3	2502.3	2502.3	2505.7
5°	2495.7	2492.4	2495.7	2495.7	2499.0
7.5°	2479.1	2475.8	2482.5	2485.8	2489.1
10°	2455.9	2455.9	2465.9	2472.5	2475.8
12.5°	2426.1	2426.1	2439.4	2449.3	2455.9
15°	2383.0	2386.3	2402.9	2419.5	2426.1
17.5°	2333.3	2343.3	2363.1	2386.3	2393.0
20°	2283.6	2290.2	2313.4	2343.3	2356.5
22.5°	2220.6	2230.6	2257.1	2296.9	2310.1
25°	2151.0	2164.3	2197.4	2240.5	2260.4
27.5°	2081.4	2091.4	2131.1	2180.9	2204.1
30°	2005.2	2018.4	2061.5	2117.9	2144.4
32.5°	1929.0	1938.9	1988.6	2048.3	2078.1
35°	1846.1	1859.4	1905.8	1975.4	2005.2
37.5°	1759.9	1776.5	1822.9	1895.8	1929.0
40°	1673.8	1683.7	1736.7	1809.6	1849.4
42.5°	1584.3	1597.5	1647.2	1726.8	1766.6
45°	1488.1	1504.7	1554.4	1634.0	1673.8
47.5°	1395.3	1411.9	1458.3	1537.9	1574.3
50°	1302.5	1312.5	1358.9	1438.4	1481.5
52.5°	1206.4	1216.4	1259.5	1335.7	1375.5
55°	1110.3	1120.3	1160.0	1236.3	1272.7
57.5°	1010.9	1017.5	1057.3	1126.9	1163.3
60°	914.8	918.1	954.5	1017.5	1054.0
62.5°	812.0	815.3	841.8	914.8	947.9
65°	719.2	715.9	742.4	798.8	831.9
67.5°	623.1	623.1	646.3	696.0	722.5
70°	527.0	527.0	546.9	590.0	616.5
72.5°	437.5	437.5	454.1	487.2	507.1
75°	348.0	344.7	361.3	387.8	407.7
77.5°	265.1	265.1	271.8	295.0	308.2
80°	188.9	188.9	192.2	205.5	215.4
82.5°	119.3	119.3	119.3	125.9	129.3
85°	56.3	63.0	63.0	56.3	53.0
87.5°	26.5	26.5	23.2	23.2	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)