

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: P383887

Luminaire Tested: **14ID-20-L835-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383887  
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-20-L835-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

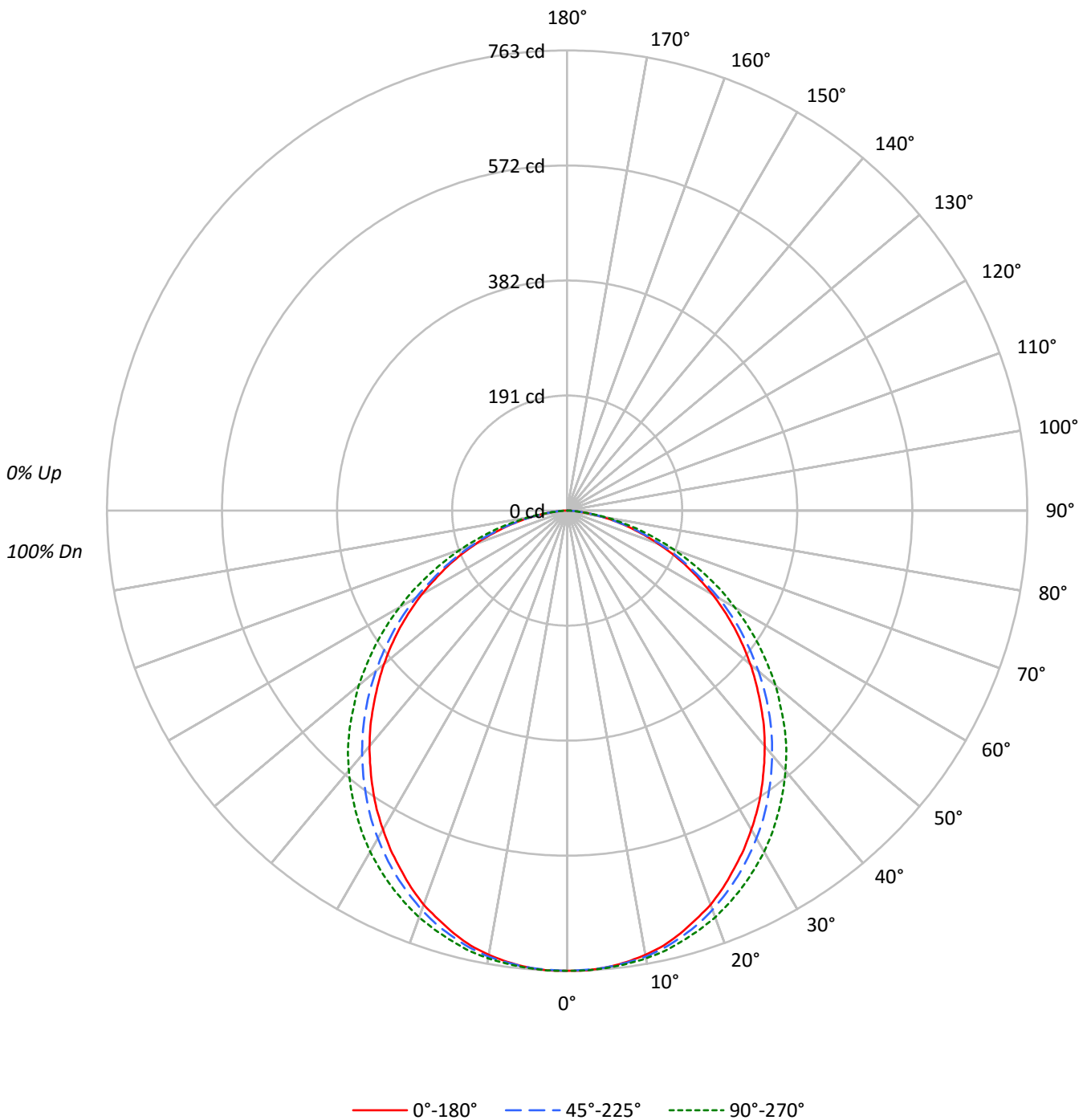
Lumens per Lamp: N/A  
Luminaire Lumens: 2014.5 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.4  
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



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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°	2053	2053	2053
5°	2053	2053	2056
10°	2044	2052	2060
15°	2022	2039	2059
20°	1992	2018	2055
25°	1945	1987	2044
30°	1898	1951	2029
35°	1847	1907	2006
40°	1791	1858	1979
45°	1725	1802	1940
50°	1661	1733	1889
55°	1587	1658	1818
60°	1499	1565	1728
65°	1394	1440	1613
70°	1263	1311	1478
75°	1102	1144	1291
80°	891	907	1017
85°	531	593	500



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.2	3.6
10°-20°	206.5	10.2
20°-30°	308.9	15.3
30°-40°	364.9	18.1
40°-50°	368.2	18.3
50°-60°	319.8	15.9
60°-70°	229.3	11.4
70°-80°	119.5	5.9
80°-90°	25.2	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°	587.6	29.2
0°-40°	952.5	47.3
0°-60°	1640.5	81.4
0°-90°	2014.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2014.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	763	763	763	763	763	
5°	760	759	760	760	761	72
15°	726	727	732	737	739	205
25°	655	659	669	682	688	302
35°	562	566	580	602	611	351
45°	453	458	473	498	510	350
55°	338	341	353	376	388	302
65°	219	218	226	243	253	217
75°	106	105	110	118	124	113
85°	17	19	19	17	16	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	763.1	763.1	763.1	763.1	763.1
2.5°	763.1	762.1	762.1	762.1	763.1
5°	760.1	759.1	760.1	760.1	761.1
7.5°	755.0	754.0	756.1	757.1	758.1
10°	748.0	748.0	751.0	753.0	754.0
12.5°	738.9	738.9	742.9	746.0	748.0
15°	725.8	726.8	731.8	736.9	738.9
17.5°	710.6	713.7	719.7	726.8	728.8
20°	695.5	697.5	704.6	713.7	717.7
22.5°	676.3	679.3	687.4	699.5	703.6
25°	655.1	659.1	669.2	682.4	688.4
27.5°	633.9	636.9	649.1	664.2	671.3
30°	610.7	614.7	627.9	645.0	653.1
32.5°	587.5	590.5	605.7	623.8	632.9
35°	562.2	566.3	580.4	601.6	610.7
37.5°	536.0	541.0	555.2	577.4	587.5
40°	509.8	512.8	528.9	551.1	563.3
42.5°	482.5	486.5	501.7	525.9	538.0
45°	453.2	458.3	473.4	497.6	509.8
47.5°	425.0	430.0	444.1	468.4	479.5
50°	396.7	399.7	413.9	438.1	451.2
52.5°	367.4	370.5	383.6	406.8	418.9
55°	338.2	341.2	353.3	376.5	387.6
57.5°	307.9	309.9	322.0	343.2	354.3
60°	278.6	279.6	290.7	309.9	321.0
62.5°	247.3	248.3	256.4	278.6	288.7
65°	219.0	218.0	226.1	243.3	253.4
67.5°	189.8	189.8	196.8	212.0	220.1
70°	160.5	160.5	166.6	179.7	187.8
72.5°	133.2	133.2	138.3	148.4	154.4
75°	106.0	105.0	110.0	118.1	124.2
77.5°	80.8	80.8	82.8	89.8	93.9
80°	57.5	57.5	58.5	62.6	65.6
82.5°	36.3	36.3	36.3	38.4	39.4
85°	17.2	19.2	19.2	17.2	16.2
87.5°	8.1	8.1	7.1	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)