

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: P383971

Luminaire Tested: **22ID-55-L835-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383971  
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-55-L835-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

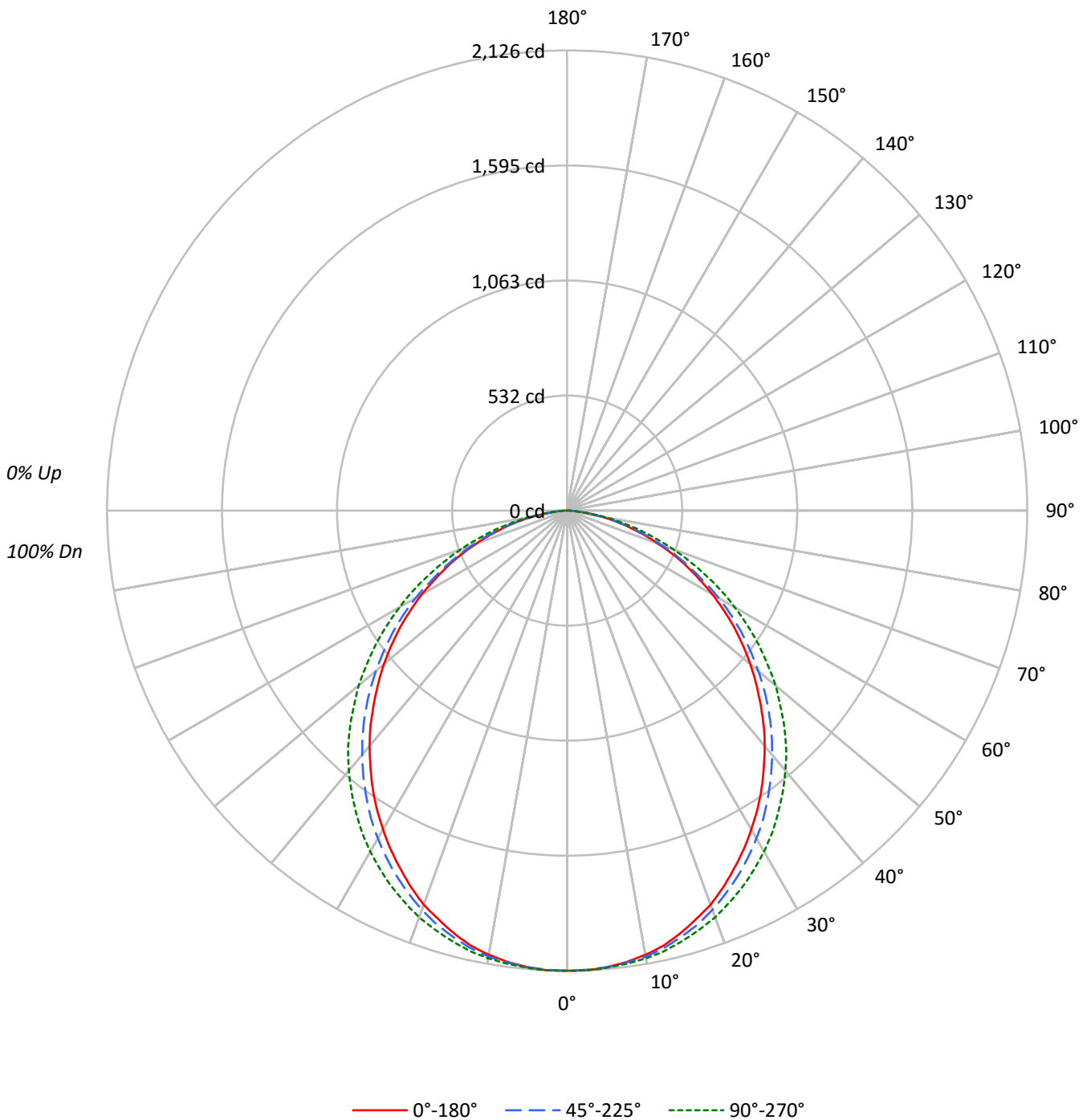
Lumens per Lamp: N/A  
Luminaire Lumens: 5611.7 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 45.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	5720	5720	5720
5°	5720	5720	5727
10°	5693	5716	5740
15°	5632	5679	5734
20°	5548	5621	5725
25°	5418	5535	5694
30°	5286	5435	5653
35°	5145	5311	5589
40°	4988	5176	5512
45°	4805	5019	5404
50°	4626	4827	5262
55°	4419	4617	5066
60°	4177	4358	4813
65°	3885	4011	4494
70°	3518	3651	4115
75°	3069	3187	3596
80°	2484	2528	2833
85°	1476	1649	1389



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.2	3.6
10°-20°	575.2	10.2
20°-30°	860.4	15.3
30°-40°	1016.5	18.1
40°-50°	1025.8	18.3
50°-60°	890.8	15.9
60°-70°	638.8	11.4
70°-80°	332.8	5.9
80°-90°	70.2	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°	1636.8	29.2
0°-40°	2653.4	47.3
0°-60°	4569.9	81.4
0°-90°	5611.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5611.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2126	2126	2126	2126	2126	
5°	2117	2114	2117	2117	2120	201
15°	2022	2025	2039	2053	2058	570
25°	1825	1836	1864	1901	1918	841
35°	1566	1578	1617	1676	1701	979
45°	1262	1277	1319	1386	1420	975
55°	942	950	984	1049	1080	841
65°	610	607	630	678	706	603
75°	295	292	306	329	346	315
85°	48	53	53	48	45	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2125.8	2125.8	2125.8	2125.8	2125.8
2.5°	2125.8	2123.0	2123.0	2123.0	2125.8
5°	2117.4	2114.5	2117.4	2117.4	2120.2
7.5°	2103.3	2100.5	2106.1	2108.9	2111.7
10°	2083.6	2083.6	2092.0	2097.7	2100.5
12.5°	2058.3	2058.3	2069.5	2078.0	2083.6
15°	2021.7	2024.6	2038.6	2052.7	2058.3
17.5°	1979.6	1988.0	2004.9	2024.6	2030.2
20°	1937.4	1943.0	1962.7	1988.0	1999.3
22.5°	1884.0	1892.4	1914.9	1948.6	1959.9
25°	1824.9	1836.2	1864.3	1900.8	1917.7
27.5°	1765.9	1774.3	1808.0	1850.2	1869.9
30°	1701.2	1712.4	1749.0	1796.8	1819.3
32.5°	1636.5	1645.0	1687.1	1737.7	1763.1
35°	1566.2	1577.5	1616.8	1675.9	1701.2
37.5°	1493.1	1507.2	1546.5	1608.4	1636.5
40°	1420.0	1428.4	1473.4	1535.3	1569.0
42.5°	1344.1	1355.3	1397.5	1465.0	1498.7
45°	1262.5	1276.6	1318.8	1386.3	1420.0
47.5°	1183.8	1197.9	1237.2	1304.7	1335.6
50°	1105.1	1113.5	1152.9	1220.4	1256.9
52.5°	1023.5	1032.0	1068.5	1133.2	1166.9
55°	942.0	950.4	984.2	1048.8	1079.8
57.5°	857.6	863.2	897.0	956.0	987.0
60°	776.1	778.9	809.8	863.2	894.2
62.5°	688.9	691.7	714.2	776.1	804.2
65°	610.2	607.4	629.9	677.7	705.8
67.5°	528.6	528.6	548.3	590.5	613.0
70°	447.1	447.1	464.0	500.5	523.0
72.5°	371.2	371.2	385.2	413.3	430.2
75°	295.2	292.4	306.5	329.0	345.9
77.5°	225.0	225.0	230.6	250.3	261.5
80°	160.3	160.3	163.1	174.3	182.8
82.5°	101.2	101.2	101.2	106.9	109.7
85°	47.8	53.4	53.4	47.8	45.0
87.5°	22.5	22.5	19.7	19.7	19.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)