

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: P383914

Luminaire Tested: **14ID-55-L830-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383914  
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-55-L830-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

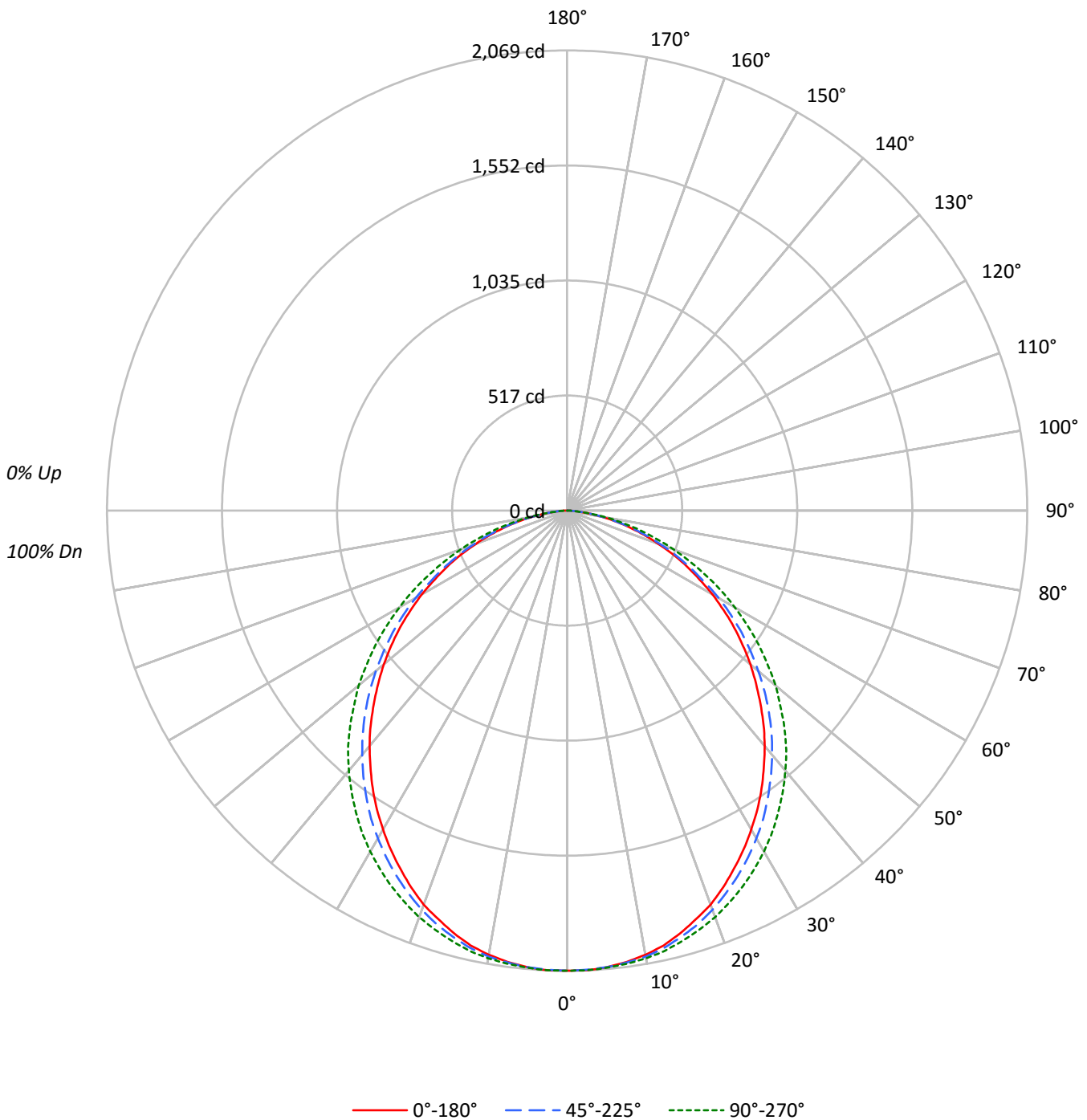
Lumens per Lamp: N/A  
Luminaire Lumens: 5461.0 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 48.2  
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°	5567	5567	5567
5°	5566	5566	5573
10°	5541	5563	5585
15°	5481	5527	5580
20°	5399	5470	5572
25°	5273	5387	5541
30°	5144	5289	5501
35°	5007	5169	5438
40°	4854	5037	5364
45°	4676	4884	5259
50°	4502	4697	5121
55°	4301	4493	4930
60°	4064	4242	4683
65°	3781	3903	4373
70°	3423	3552	4005
75°	2987	3101	3500
80°	2417	2459	2757
85°	1436	1606	1352



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.8	3.6
10°-20°	559.7	10.2
20°-30°	837.3	15.3
30°-40°	989.2	18.1
40°-50°	998.2	18.3
50°-60°	866.9	15.9
60°-70°	621.6	11.4
70°-80°	323.8	5.9
80°-90°	68.4	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°	1592.9	29.2
0°-40°	2582.1	47.3
0°-60°	4447.2	81.4
0°-90°	5461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5461.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2069	2069	2069	2069	2069	
5°	2060	2058	2060	2060	2063	196
15°	1968	1970	1984	1998	2003	554
25°	1776	1787	1814	1850	1866	818
35°	1524	1535	1573	1631	1656	953
45°	1229	1242	1283	1349	1382	949
55°	917	925	958	1021	1051	819
65°	594	591	613	660	687	587
75°	287	285	298	320	337	306
85°	46	52	52	46	44	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2068.7	2068.7	2068.7	2068.7	2068.7
2.5°	2068.7	2066.0	2066.0	2066.0	2068.7
5°	2060.5	2057.8	2060.5	2060.5	2063.2
7.5°	2046.8	2044.1	2049.5	2052.3	2055.0
10°	2027.7	2027.7	2035.9	2041.3	2044.1
12.5°	2003.0	2003.0	2014.0	2022.2	2027.7
15°	1967.5	1970.2	1983.9	1997.6	2003.0
17.5°	1926.4	1934.6	1951.0	1970.2	1975.7
20°	1885.4	1890.8	1910.0	1934.6	1945.6
22.5°	1833.4	1841.6	1863.5	1896.3	1907.3
25°	1775.9	1786.9	1814.2	1849.8	1866.2
27.5°	1718.4	1726.7	1759.5	1800.5	1819.7
30°	1655.5	1666.5	1702.0	1748.5	1770.4
32.5°	1592.6	1600.8	1641.8	1691.1	1715.7
35°	1524.2	1535.1	1573.4	1630.9	1655.5
37.5°	1453.0	1466.7	1505.0	1565.2	1592.6
40°	1381.9	1390.1	1433.9	1494.1	1526.9
42.5°	1308.0	1318.9	1360.0	1425.7	1458.5
45°	1228.6	1242.3	1283.4	1349.0	1381.9
47.5°	1152.0	1165.7	1204.0	1269.7	1299.8
50°	1075.4	1083.6	1121.9	1187.6	1223.2
52.5°	996.0	1004.2	1039.8	1102.8	1135.6
55°	916.7	924.9	957.7	1020.7	1050.8
57.5°	834.6	840.1	872.9	930.4	960.5
60°	755.2	758.0	788.1	840.1	870.2
62.5°	670.4	673.1	695.0	755.2	782.6
65°	593.8	591.1	612.9	659.5	686.8
67.5°	514.4	514.4	533.6	574.6	596.5
70°	435.1	435.1	451.5	487.1	509.0
72.5°	361.2	361.2	374.9	402.2	418.7
75°	287.3	284.6	298.3	320.2	336.6
77.5°	218.9	218.9	224.4	243.5	254.5
80°	156.0	156.0	158.7	169.7	177.9
82.5°	98.5	98.5	98.5	104.0	106.7
85°	46.5	52.0	52.0	46.5	43.8
87.5°	21.9	21.9	19.2	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)