

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: P383746

Luminaire Tested: **14ID-55-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-55-L830-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

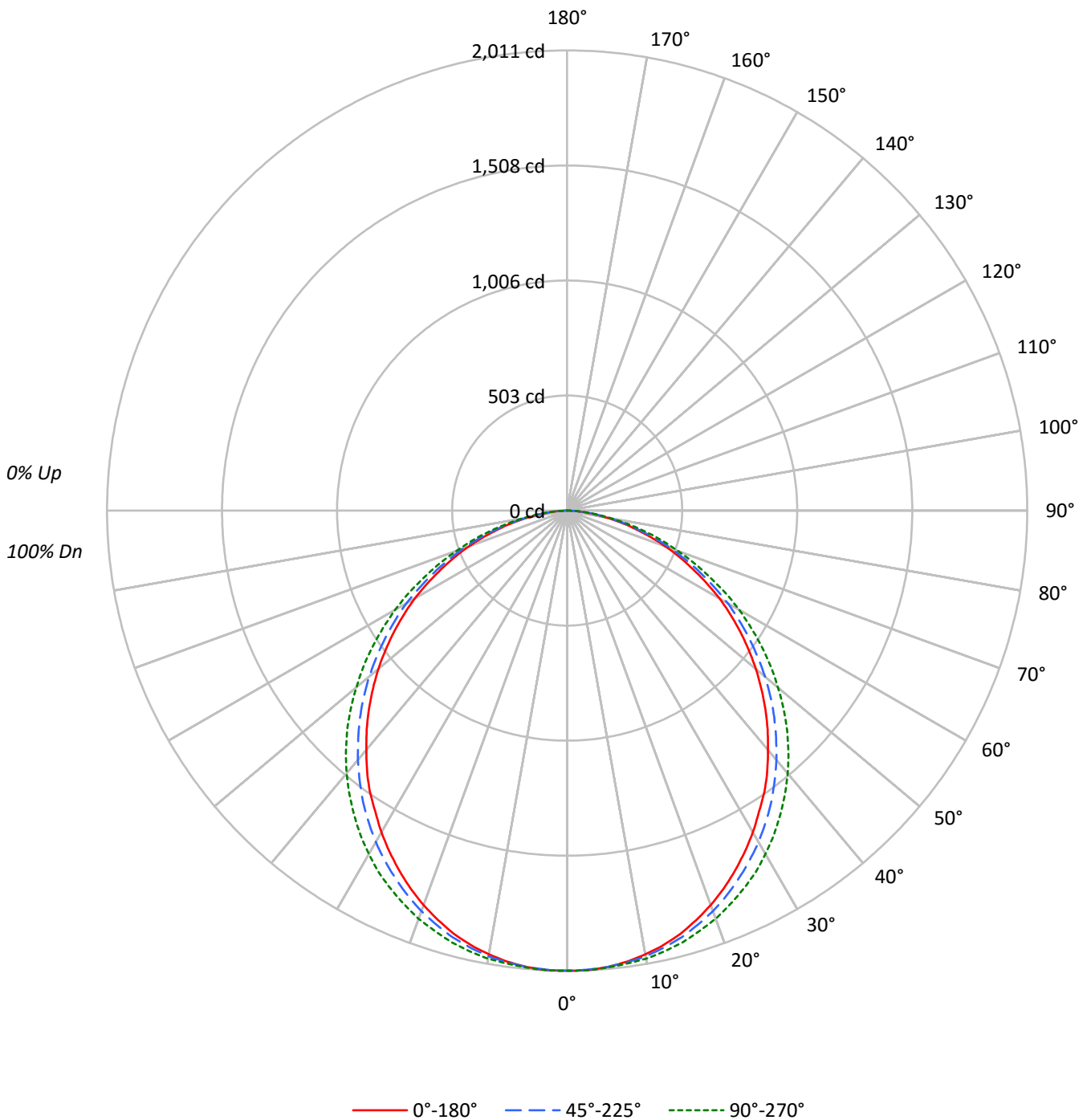
Lumens per Lamp: N/A  
Luminaire Lumens: 5461.0 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5411	5411	5411
5°	5409	5409	5417
10°	5382	5404	5434
15°	5334	5380	5441
20°	5255	5333	5436
25°	5155	5269	5416
30°	5045	5198	5386
35°	4936	5108	5333
40°	4796	4998	5269
45°	4663	4872	5175
50°	4508	4726	5037
55°	4330	4549	4872
60°	4140	4362	4672
65°	3866	4093	4372
70°	3588	3782	4042
75°	3199	3370	3656
80°	2682	2810	3065
85°	2035	2035	2291



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.3	3.5
10°-20°	544.5	10.0
20°-30°	818.8	15.0
30°-40°	974.0	17.8
40°-50°	991.1	18.1
50°-60°	872.2	16.0
60°-70°	639.8	11.7
70°-80°	347.3	6.4
80°-90°	82.9	1.5
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°	1553.6	28.4
0°-40°	2527.7	46.3
0°-60°	4391.0	80.4
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°	2011	2011	2011	2011	2011	
5°	2002	2000	2002	2002	2005	190
15°	1915	1917	1931	1942	1953	539
25°	1736	1747	1774	1805	1824	800
35°	1503	1514	1555	1602	1624	938
45°	1225	1236	1280	1335	1360	944
55°	923	937	970	1016	1038	825
65°	607	618	643	670	687	603
75°	308	313	324	341	352	327
85°	66	66	66	71	74	80
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2010.8	2010.8	2010.8	2010.8	2010.8
2.5°	2010.8	2008.0	2008.0	2008.0	2010.8
5°	2002.5	1999.8	2002.5	2002.5	2005.3
7.5°	1988.8	1986.1	1991.6	1994.3	1997.1
10°	1969.6	1969.6	1977.8	1983.3	1988.8
12.5°	1944.9	1947.6	1955.8	1964.1	1972.3
15°	1914.6	1917.4	1931.1	1942.1	1953.1
17.5°	1876.2	1881.7	1898.2	1914.6	1925.6
20°	1835.0	1843.2	1862.4	1884.4	1898.2
22.5°	1788.3	1799.3	1821.2	1848.7	1862.4
25°	1736.1	1747.1	1774.5	1804.8	1824.0
27.5°	1681.1	1694.9	1725.1	1760.8	1782.8
30°	1623.5	1637.2	1672.9	1711.4	1733.3
32.5°	1560.3	1576.8	1615.2	1659.2	1681.1
35°	1502.6	1513.6	1554.8	1601.5	1623.5
37.5°	1436.7	1450.4	1488.9	1538.3	1563.0
40°	1365.2	1379.0	1422.9	1472.4	1499.8
42.5°	1296.6	1307.6	1351.5	1406.5	1431.2
45°	1225.2	1236.1	1280.1	1335.0	1359.8
47.5°	1151.0	1164.7	1205.9	1258.1	1282.8
50°	1076.8	1087.8	1129.0	1178.5	1203.2
52.5°	999.9	1010.9	1049.3	1098.8	1123.5
55°	923.0	936.7	969.7	1016.4	1038.4
57.5°	846.1	859.8	890.0	934.0	953.2
60°	769.2	780.1	810.4	848.8	868.0
62.5°	686.7	695.0	725.2	763.7	780.1
65°	607.1	618.1	642.8	670.3	686.7
67.5°	532.9	538.4	560.4	590.6	601.6
70°	456.0	461.5	480.7	505.4	513.7
72.5°	379.1	387.3	401.1	423.0	434.0
75°	307.7	313.2	324.1	340.6	351.6
77.5°	239.0	241.7	250.0	263.7	272.0
80°	173.1	175.8	181.3	192.3	197.8
82.5°	115.4	118.1	120.9	126.4	131.9
85°	65.9	65.9	65.9	71.4	74.2
87.5°	24.7	22.0	22.0	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)