

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: P383754

Luminaire Tested: **14ID-65-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383754  
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-65-L830-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

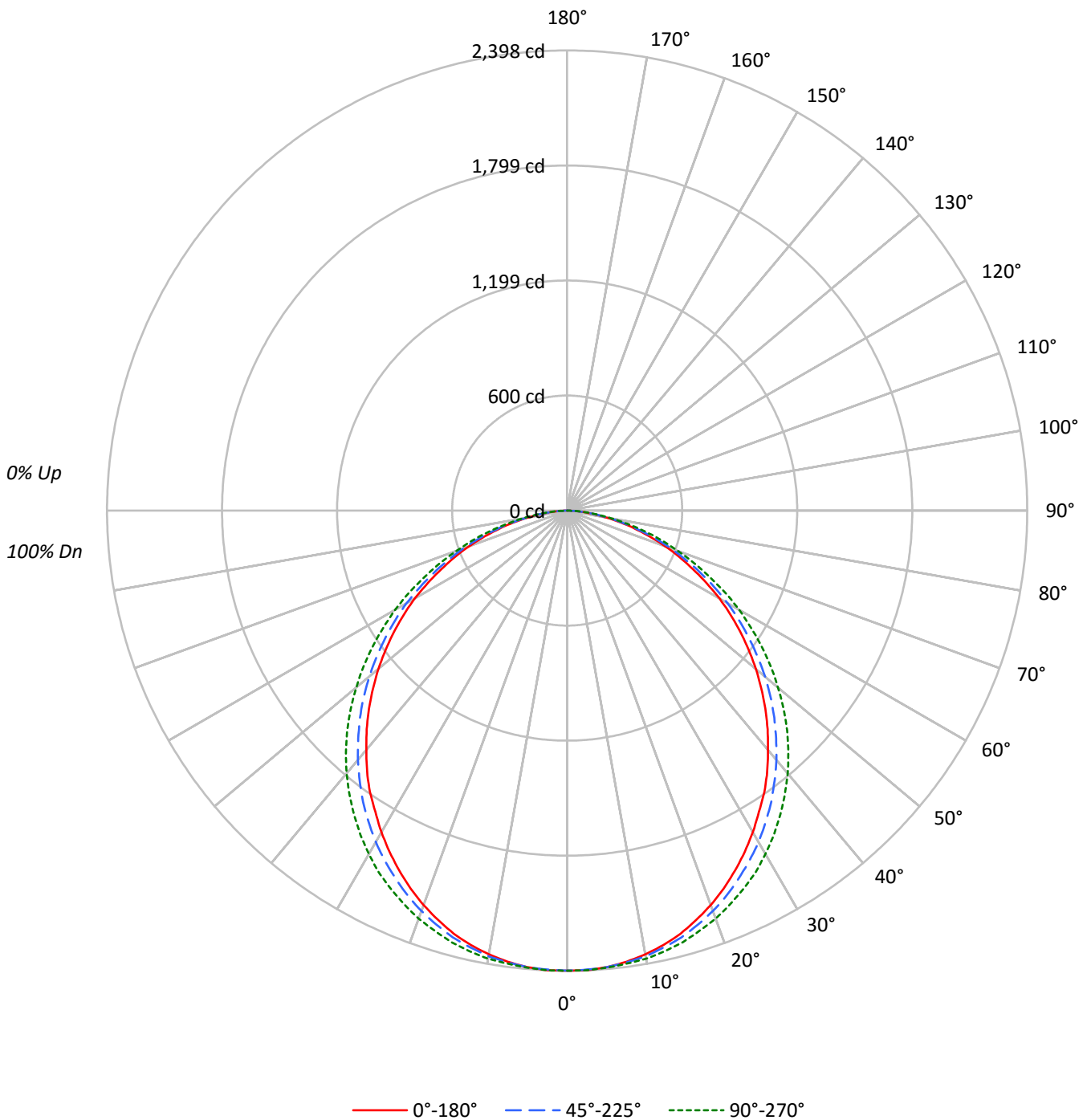
Lumens per Lamp: N/A  
Luminaire Lumens: 6511.2 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 58.4  
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°	6452	6452	6452
5°	6450	6450	6458
10°	6417	6444	6480
15°	6360	6415	6488
20°	6265	6359	6481
25°	6146	6282	6457
30°	6015	6198	6422
35°	5886	6090	6359
40°	5718	5960	6282
45°	5559	5809	6170
50°	5375	5635	6006
55°	5163	5424	5808
60°	4936	5200	5570
65°	4609	4880	5214
70°	4278	4510	4819
75°	3814	4018	4358
80°	3197	3350	3654
85°	2427	2427	2729



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.9	3.5
10°-20°	649.3	10.0
20°-30°	976.2	15.0
30°-40°	1161.3	17.8
40°-50°	1181.7	18.1
50°-60°	1040.0	16.0
60°-70°	762.9	11.7
70°-80°	414.1	6.4
80°-90°	98.8	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°	1852.4	28.4
0°-40°	3013.8	46.3
0°-60°	5235.4	80.4
0°-90°	6511.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6511.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2398	2398	2398	2398	2398	
5°	2388	2384	2388	2388	2391	227
15°	2283	2286	2302	2316	2329	643
25°	2070	2083	2116	2152	2175	953
35°	1792	1805	1854	1910	1936	1119
45°	1461	1474	1526	1592	1621	1126
55°	1100	1117	1156	1212	1238	984
65°	724	737	766	799	819	719
75°	367	373	386	406	419	390
85°	79	79	79	85	88	95
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2397.5	2397.5	2397.5	2397.5	2397.5
2.5°	2397.5	2394.2	2394.2	2394.2	2397.5
5°	2387.7	2384.4	2387.7	2387.7	2390.9
7.5°	2371.3	2368.0	2374.6	2377.8	2381.1
10°	2348.3	2348.3	2358.2	2364.7	2371.3
12.5°	2318.9	2322.1	2332.0	2341.8	2351.6
15°	2282.8	2286.1	2302.5	2315.6	2328.7
17.5°	2237.0	2243.5	2263.2	2282.8	2295.9
20°	2187.9	2197.7	2220.6	2246.8	2263.2
22.5°	2132.2	2145.3	2171.5	2204.2	2220.6
25°	2070.0	2083.1	2115.8	2151.8	2174.8
27.5°	2004.4	2020.8	2056.9	2099.4	2125.6
30°	1935.7	1952.0	1994.6	2040.5	2066.7
32.5°	1860.3	1880.0	1925.8	1978.2	2004.4
35°	1791.6	1804.7	1853.8	1909.5	1935.7
37.5°	1713.0	1729.3	1775.2	1834.1	1863.6
40°	1627.8	1644.2	1696.6	1755.5	1788.3
42.5°	1545.9	1559.0	1611.4	1676.9	1706.4
45°	1460.8	1473.9	1526.3	1591.8	1621.2
47.5°	1372.3	1388.7	1437.8	1500.1	1529.5
50°	1283.9	1297.0	1346.1	1405.1	1434.6
52.5°	1192.2	1205.3	1251.1	1310.1	1339.6
55°	1100.5	1116.9	1156.2	1211.8	1238.0
57.5°	1008.8	1025.2	1061.2	1113.6	1136.5
60°	917.1	930.2	966.2	1012.0	1035.0
62.5°	818.8	828.6	864.7	910.5	930.2
65°	723.8	736.9	766.4	799.2	818.8
67.5°	635.4	641.9	668.1	704.2	717.3
70°	543.7	550.2	573.2	602.6	612.5
72.5°	452.0	461.8	478.2	504.4	517.5
75°	366.8	373.4	386.5	406.1	419.2
77.5°	284.9	288.2	298.0	314.4	324.2
80°	206.3	209.6	216.2	229.3	235.8
82.5°	137.6	140.8	144.1	150.7	157.2
85°	78.6	78.6	78.6	85.2	88.4
87.5°	29.5	26.2	26.2	26.2	26.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)