

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: P385090

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

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385090  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-55-L830-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

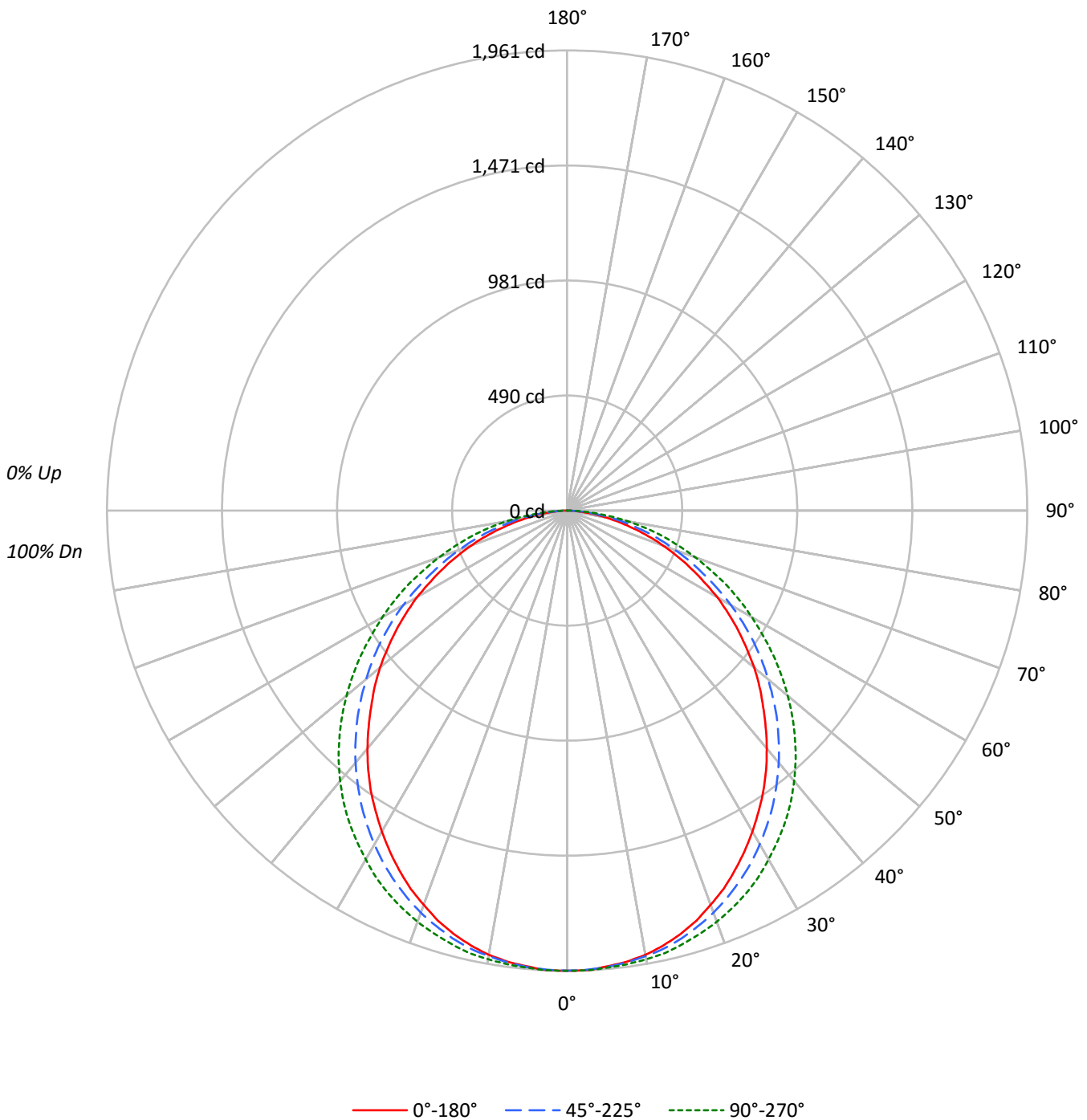
Lumens per Lamp: N/A  
Luminaire Lumens: 5444.6 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

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

	0°	45°	90°
0°	5277	5277	5277
5°	5267	5275	5282
10°	5253	5268	5306
15°	5203	5256	5325
20°	5120	5222	5340
25°	5023	5170	5350
30°	4907	5103	5334
35°	4791	5026	5323
40°	4650	4930	5287
45°	4494	4818	5226
50°	4358	4680	5140
55°	4175	4535	5025
60°	3976	4346	4893
65°	3707	4092	4756
70°	3414	3847	4559
75°	3027	3569	4369
80°	2554	3192	4043
85°	1865	2458	3223



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.6	3.4
10°-20°	532.5	9.8
20°-30°	803.2	14.8
30°-40°	958.9	17.6
40°-50°	980.0	18.0
50°-60°	869.0	16.0
60°-70°	647.8	11.9
70°-80°	370.1	6.8
80°-90°	97.6	1.8
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°	1521.3	27.9
0°-40°	2480.2	45.6
0°-60°	4329.1	79.5
0°-90°	5444.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5444.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1961	1961	1961	1961	1961	
5°	1950	1950	1953	1953	1956	185
15°	1868	1873	1887	1903	1912	526
25°	1692	1706	1741	1780	1802	779
35°	1458	1478	1530	1590	1620	911
45°	1181	1206	1266	1335	1373	912
55°	890	906	967	1035	1071	795
65°	582	596	643	709	747	577
75°	291	305	343	396	420	311
85°	60	63	80	99	104	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1961.0	1961.0	1961.0	1961.0	1961.0
2.5°	1961.0	1958.2	1958.2	1958.2	1961.0
5°	1950.0	1950.0	1952.7	1952.7	1955.5
7.5°	1939.0	1939.0	1941.7	1944.5	1950.0
10°	1922.5	1922.5	1928.0	1936.2	1941.7
12.5°	1897.8	1900.5	1911.5	1922.5	1930.7
15°	1867.6	1873.1	1886.8	1903.3	1911.5
17.5°	1831.9	1837.4	1856.6	1878.6	1889.5
20°	1787.9	1798.9	1823.6	1851.1	1864.8
22.5°	1744.0	1755.0	1785.2	1818.1	1834.6
25°	1691.8	1705.5	1741.2	1779.7	1801.7
27.5°	1636.9	1653.4	1694.6	1738.5	1763.2
30°	1579.2	1598.4	1642.4	1691.8	1716.5
32.5°	1518.8	1538.0	1587.4	1642.4	1669.8
35°	1458.4	1477.6	1529.8	1590.2	1620.4
37.5°	1392.4	1411.7	1466.6	1532.5	1565.5
40°	1323.8	1345.8	1403.4	1469.3	1505.0
42.5°	1252.4	1277.1	1334.8	1406.2	1441.9
45°	1181.0	1205.7	1266.1	1334.8	1373.2
47.5°	1112.3	1131.5	1192.0	1263.4	1301.8
50°	1040.9	1057.4	1117.8	1189.2	1227.7
52.5°	964.0	986.0	1043.6	1115.1	1150.8
55°	889.8	906.3	966.7	1035.4	1071.1
57.5°	812.9	829.4	887.1	955.8	988.7
60°	738.8	755.3	807.5	876.1	909.1
62.5°	656.4	672.9	725.1	796.5	829.4
65°	582.2	596.0	642.7	708.6	747.0
67.5°	508.1	521.8	565.8	628.9	659.1
70°	433.9	444.9	488.9	546.5	579.5
72.5°	362.5	373.5	417.5	469.6	497.1
75°	291.1	304.9	343.3	395.5	420.2
77.5°	225.2	238.9	271.9	318.6	340.6
80°	164.8	175.8	206.0	241.7	260.9
82.5°	109.9	118.1	140.1	170.3	184.0
85°	60.4	63.2	79.6	98.9	104.4
87.5°	24.7	24.7	30.2	33.0	35.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)