

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: P383750

Luminaire Tested: **14ID-60-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383750  
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-60-L830-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

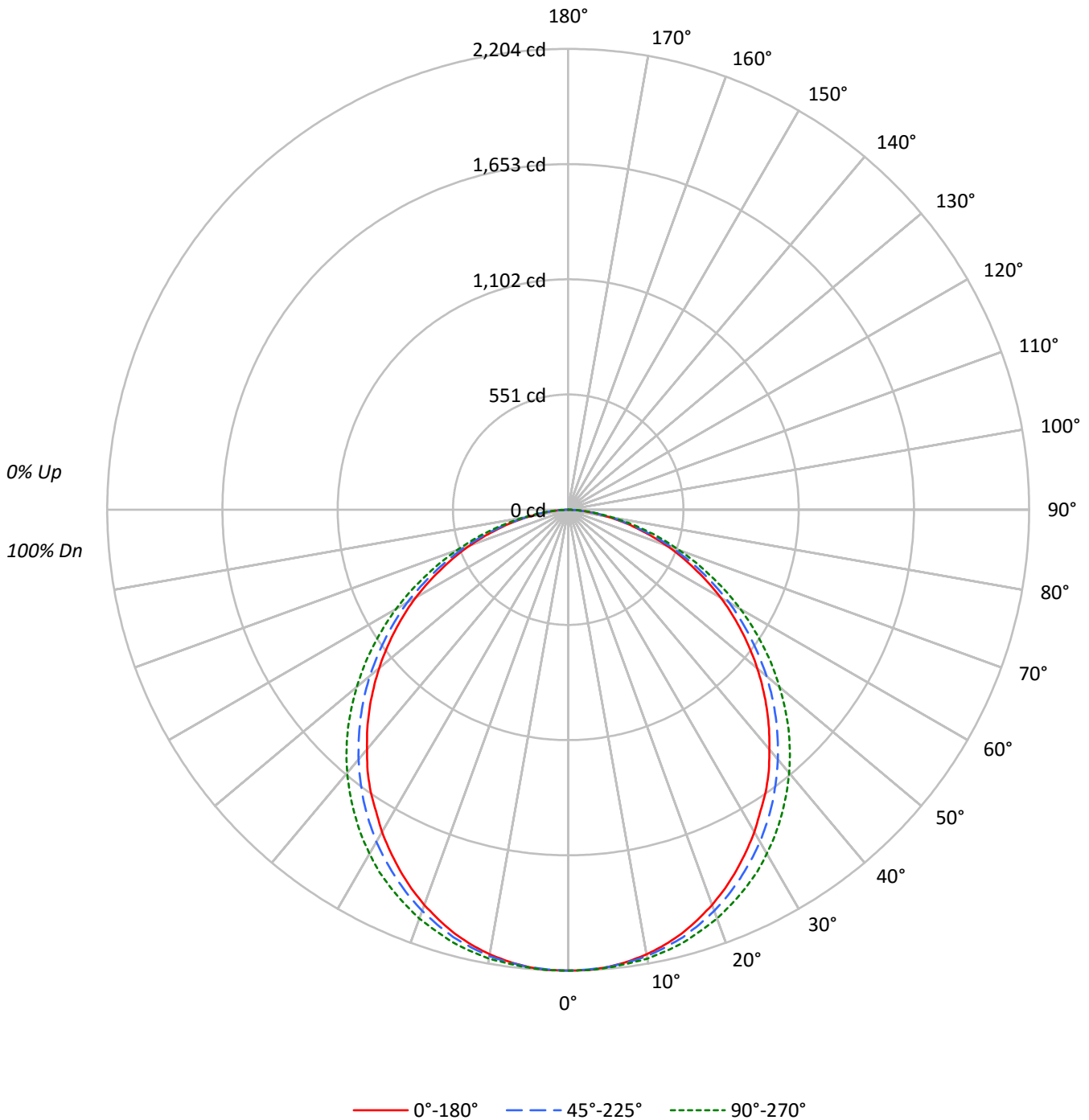
Lumens per Lamp: N/A  
Luminaire Lumens: 5986.1 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 53.3  
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°	5931	5931	5931
5°	5930	5930	5938
10°	5899	5924	5957
15°	5847	5897	5964
20°	5760	5846	5958
25°	5650	5776	5937
30°	5530	5698	5904
35°	5411	5599	5846
40°	5257	5479	5775
45°	5111	5340	5672
50°	4942	5181	5521
55°	4746	4987	5340
60°	4538	4781	5121
65°	4238	4486	4793
70°	3932	4146	4430
75°	3506	3694	4007
80°	2940	3079	3360
85°	2232	2232	2510



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.6	3.5
10°-20°	596.9	10.0
20°-30°	897.5	15.0
30°-40°	1067.7	17.8
40°-50°	1086.4	18.1
50°-60°	956.1	16.0
60°-70°	701.4	11.7
70°-80°	380.7	6.4
80°-90°	90.8	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°	1703.0	28.4
0°-40°	2770.7	46.3
0°-60°	4813.2	80.4
0°-90°	5986.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5986.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2204	2204	2204	2204	2204	
5°	2195	2192	2195	2195	2198	208
15°	2099	2102	2117	2129	2141	591
25°	1903	1915	1945	1978	1999	876
35°	1647	1659	1704	1756	1780	1028
45°	1343	1355	1403	1463	1490	1035
55°	1012	1027	1063	1114	1138	905
65°	666	678	705	735	753	661
75°	337	343	355	373	385	358
85°	72	72	72	78	81	87
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2204.1	2204.1	2204.1	2204.1	2204.1
2.5°	2204.1	2201.1	2201.1	2201.1	2204.1
5°	2195.1	2192.1	2195.1	2195.1	2198.1
7.5°	2180.0	2177.0	2183.1	2186.1	2189.1
10°	2159.0	2159.0	2168.0	2174.0	2180.0
12.5°	2131.9	2134.9	2143.9	2152.9	2162.0
15°	2098.7	2101.8	2116.8	2128.9	2140.9
17.5°	2056.6	2062.6	2080.7	2098.7	2110.8
20°	2011.4	2020.5	2041.5	2065.6	2080.7
22.5°	1960.2	1972.3	1996.4	2026.5	2041.5
25°	1903.0	1915.1	1945.2	1978.3	1999.4
27.5°	1842.8	1857.9	1891.0	1930.1	1954.2
30°	1779.6	1794.6	1833.8	1875.9	1900.0
32.5°	1710.3	1728.4	1770.5	1818.7	1842.8
35°	1647.1	1659.1	1704.3	1755.5	1779.6
37.5°	1574.8	1589.9	1632.0	1686.2	1713.3
40°	1496.5	1511.6	1559.8	1614.0	1644.1
42.5°	1421.2	1433.3	1481.5	1541.7	1568.8
45°	1343.0	1355.0	1403.2	1463.4	1490.5
47.5°	1261.7	1276.7	1321.9	1379.1	1406.2
50°	1180.4	1192.4	1237.6	1291.8	1318.9
52.5°	1096.0	1108.1	1150.2	1204.4	1231.5
55°	1011.7	1026.8	1062.9	1114.1	1138.2
57.5°	927.4	942.5	975.6	1023.8	1044.9
60°	843.1	855.2	888.3	930.4	951.5
62.5°	752.8	761.8	794.9	837.1	855.2
65°	665.5	677.5	704.6	734.7	752.8
67.5°	584.2	590.2	614.3	647.4	659.4
70°	499.8	505.9	526.9	554.0	563.1
72.5°	415.5	424.6	439.6	463.7	475.8
75°	337.2	343.3	355.3	373.4	385.4
77.5°	262.0	265.0	274.0	289.1	298.1
80°	189.7	192.7	198.7	210.8	216.8
82.5°	126.5	129.5	132.5	138.5	144.5
85°	72.3	72.3	72.3	78.3	81.3
87.5°	27.1	24.1	24.1	24.1	24.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)