

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: P383862

Luminaire Tested: **24ID-65-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383862  
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: 24ID-65-L830-CFR1  
Description: 2X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

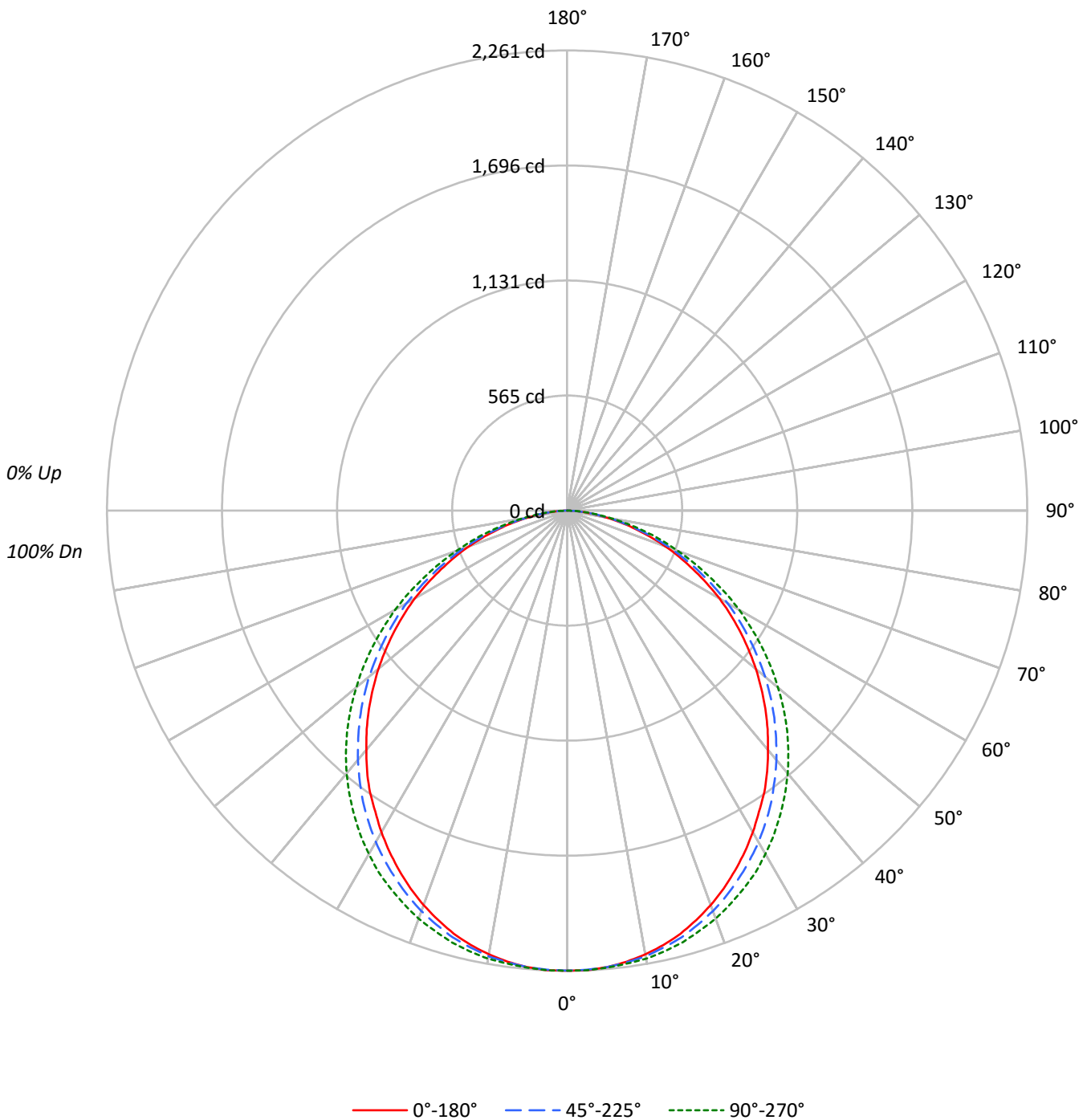
Lumens per Lamp: N/A  
Luminaire Lumens: 6139.4 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 60.5  
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



TEST NUMBER: P383862  
CATALOG NUMBER: 24ID-65-L830-CFR1

### 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°	3042	3042	3042
5°	3041	3041	3045
10°	3025	3038	3055
15°	2998	3024	3059
20°	2954	2998	3056
25°	2898	2962	3044
30°	2836	2922	3028
35°	2775	2871	2998
40°	2696	2810	2962
45°	2621	2738	2909
50°	2534	2657	2831
55°	2434	2557	2738
60°	2327	2451	2626
65°	2173	2301	2458
70°	2017	2126	2272
75°	1798	1894	2055
80°	1508	1579	1723
85°	1144	1144	1288



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CATALOG NUMBER: 24ID-65-L830-CFR1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.0	3.5
10°-20°	612.2	10.0
20°-30°	920.5	15.0
30°-40°	1095.0	17.8
40°-50°	1114.2	18.1
50°-60°	980.6	16.0
60°-70°	719.3	11.7
70°-80°	390.4	6.4
80°-90°	93.2	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°	1746.7	28.4
0°-40°	2841.7	46.3
0°-60°	4936.5	80.4
0°-90°	6139.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6139.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2261	2261	2261	2261	2261	
5°	2251	2248	2251	2251	2254	214
15°	2152	2156	2171	2183	2196	606
25°	1952	1964	1995	2029	2051	899
35°	1689	1702	1748	1800	1825	1055
45°	1377	1390	1439	1501	1529	1062
55°	1038	1053	1090	1143	1167	928
65°	682	695	723	754	772	678
75°	346	352	364	383	395	368
85°	74	74	74	80	83	89
90°	0	0	0	0	0	



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CATALOG NUMBER: 24ID-65-L830-CFR1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2260.6	2260.6	2260.6	2260.6	2260.6
2.5°	2260.6	2257.5	2257.5	2257.5	2260.6
5°	2251.3	2248.2	2251.3	2251.3	2254.4
7.5°	2235.9	2232.8	2239.0	2242.0	2245.1
10°	2214.3	2214.3	2223.5	2229.7	2235.9
12.5°	2186.5	2189.5	2198.8	2208.1	2217.3
15°	2152.5	2155.6	2171.0	2183.4	2195.7
17.5°	2109.3	2115.4	2134.0	2152.5	2164.8
20°	2062.9	2072.2	2093.8	2118.5	2134.0
22.5°	2010.4	2022.8	2047.5	2078.4	2093.8
25°	1951.8	1964.1	1995.0	2029.0	2050.6
27.5°	1890.0	1905.4	1939.4	1979.5	2004.3
30°	1825.1	1840.6	1880.7	1924.0	1948.7
32.5°	1754.1	1772.6	1815.9	1865.3	1890.0
35°	1689.3	1701.6	1747.9	1800.4	1825.1
37.5°	1615.1	1630.6	1673.8	1729.4	1757.2
40°	1534.8	1550.3	1599.7	1655.3	1686.2
42.5°	1457.6	1470.0	1519.4	1581.2	1609.0
45°	1377.3	1389.7	1439.1	1500.9	1528.7
47.5°	1294.0	1309.4	1355.7	1414.4	1442.2
50°	1210.6	1222.9	1269.3	1324.8	1352.6
52.5°	1124.1	1136.5	1179.7	1235.3	1263.1
55°	1037.6	1053.1	1090.1	1142.6	1167.3
57.5°	951.2	966.6	1000.6	1050.0	1071.6
60°	864.7	877.1	911.0	954.3	975.9
62.5°	772.1	781.3	815.3	858.5	877.1
65°	682.5	694.8	722.6	753.5	772.1
67.5°	599.1	605.3	630.0	664.0	676.3
70°	512.6	518.8	540.4	568.2	577.5
72.5°	426.2	435.4	450.9	475.6	487.9
75°	345.9	352.1	364.4	382.9	395.3
77.5°	268.7	271.8	281.0	296.5	305.7
80°	194.6	197.6	203.8	216.2	222.4
82.5°	129.7	132.8	135.9	142.1	148.2
85°	74.1	74.1	74.1	80.3	83.4
87.5°	27.8	24.7	24.7	24.7	24.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)