

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: P385374

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

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24ID-65-L830-CNV  
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

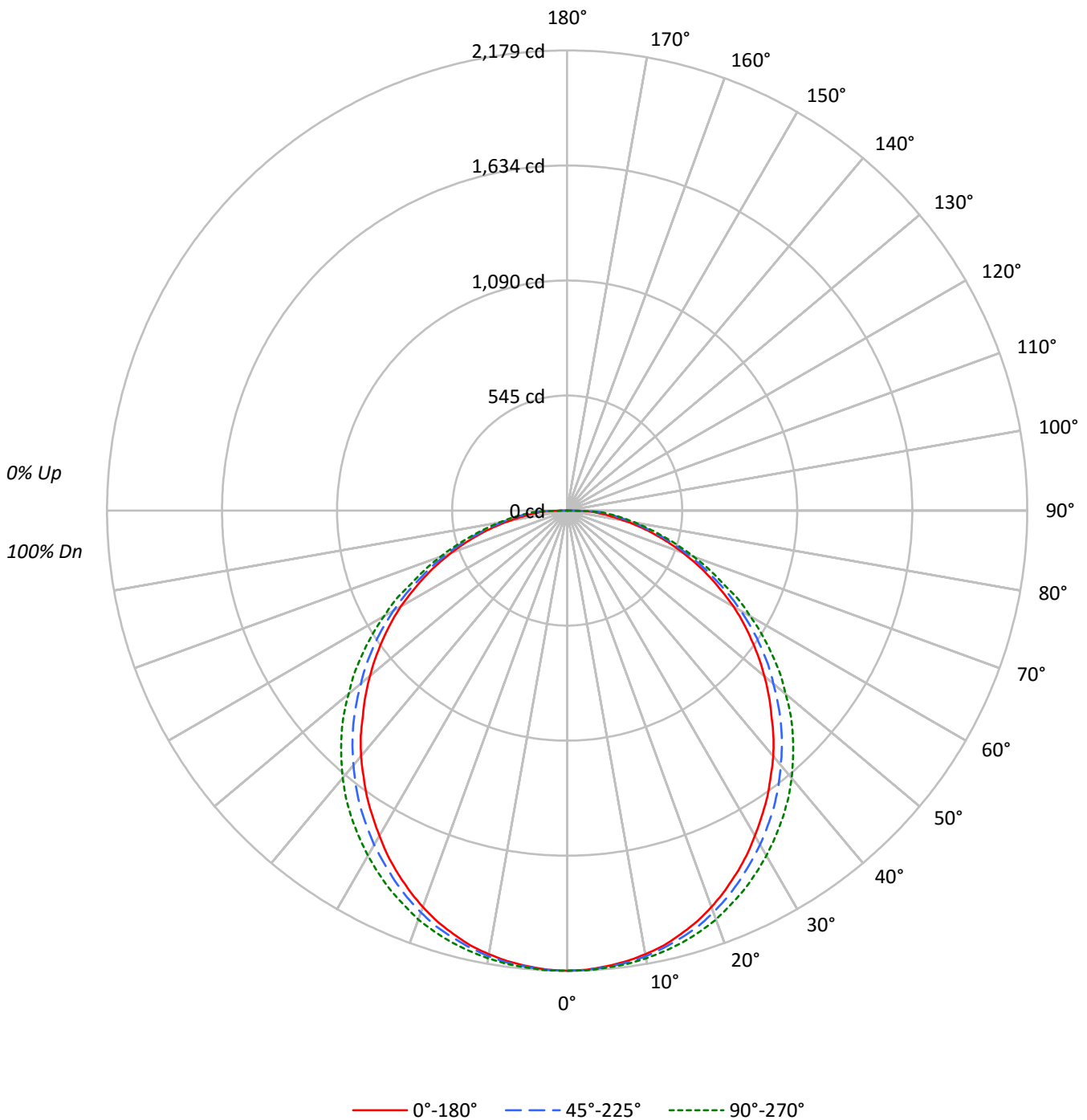
Lumens per Lamp: N/A  
Luminaire Lumens: 6320.2 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 60.5  
Input Voltage (V): NR  
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25

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

	0°	45°	90°
0°	2932	2932	2932
5°	2915	2907	2913
10°	2893	2883	2899
15°	2861	2849	2884
20°	2819	2809	2864
25°	2762	2756	2832
30°	2698	2701	2797
35°	2638	2644	2760
40°	2577	2574	2714
45°	2498	2505	2656
50°	2432	2415	2572
55°	2358	2328	2480
60°	2285	2217	2357
65°	2181	2076	2193
70°	2053	1924	2041
75°	1908	1760	1864
80°	1710	1594	1712
85°	1616	1514	1637



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.2	3.3
10°-20°	590.9	9.3
20°-30°	891.7	14.1
30°-40°	1070.3	16.9
40°-50°	1107.6	17.5
50°-60°	1003.4	15.9
60°-70°	773.1	12.2
70°-80°	478.4	7.6
80°-90°	198.7	3.1
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°	1688.7	26.7
0°-40°	2759.0	43.7
0°-60°	4870.0	77.1
0°-90°	6320.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6320.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2179	2179	2179	2179	2179	
5°	2166	2166	2169	2169	2172	206
15°	2077	2080	2094	2107	2117	586
25°	1896	1903	1933	1965	1982	873
35°	1653	1666	1709	1755	1778	1034
45°	1367	1387	1433	1486	1512	1057
55°	1065	1081	1118	1167	1183	953
65°	746	753	776	808	812	738
75°	424	434	450	470	470	449
85°	154	171	197	210	207	167
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2179.1	2179.1	2179.1	2179.1	2179.1
2.5°	2175.8	2175.8	2175.8	2175.8	2179.1
5°	2165.9	2165.9	2169.2	2169.2	2172.5
7.5°	2152.8	2152.8	2159.4	2159.4	2165.9
10°	2133.1	2136.3	2142.9	2146.2	2152.8
12.5°	2110.1	2110.1	2119.9	2129.8	2136.3
15°	2077.2	2080.5	2093.6	2106.8	2116.6
17.5°	2041.0	2044.3	2064.0	2077.2	2090.3
20°	1998.3	2001.6	2024.6	2044.3	2060.8
22.5°	1949.0	1955.6	1981.9	2008.2	2021.3
25°	1896.4	1903.0	1932.6	1965.4	1981.9
27.5°	1840.5	1850.4	1880.0	1916.1	1935.9
30°	1778.1	1791.2	1827.4	1866.8	1886.6
32.5°	1715.7	1728.8	1768.2	1814.3	1834.0
35°	1653.2	1666.4	1709.1	1755.1	1778.1
37.5°	1584.2	1597.3	1643.3	1692.6	1718.9
40°	1518.5	1531.6	1574.3	1630.2	1653.2
42.5°	1446.1	1459.3	1505.3	1557.9	1584.2
45°	1367.3	1387.0	1433.0	1485.6	1511.9
47.5°	1295.0	1311.4	1354.1	1410.0	1436.3
50°	1219.4	1235.8	1275.2	1331.1	1350.8
52.5°	1143.8	1160.2	1199.6	1252.2	1271.9
55°	1064.9	1081.3	1117.5	1166.8	1183.2
57.5°	989.3	1002.4	1035.3	1081.3	1094.5
60°	910.4	923.6	949.9	992.6	1002.4
62.5°	825.0	834.8	864.4	903.8	917.0
65°	746.1	752.7	775.7	808.5	811.8
67.5°	663.9	670.5	693.5	716.5	726.4
70°	581.7	591.6	608.0	631.0	637.6
72.5°	502.9	512.7	529.2	548.9	552.2
75°	424.0	433.8	450.3	470.0	470.0
77.5°	348.4	358.2	378.0	394.4	394.4
80°	272.8	289.2	308.9	325.4	325.4
82.5°	210.3	223.5	249.8	262.9	262.9
85°	154.5	170.9	197.2	210.3	207.1
87.5°	111.7	128.2	151.2	161.0	157.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)