

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: P385150

Luminaire Tested: **22ID-60-L830-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385150  
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: 22ID-60-L830-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

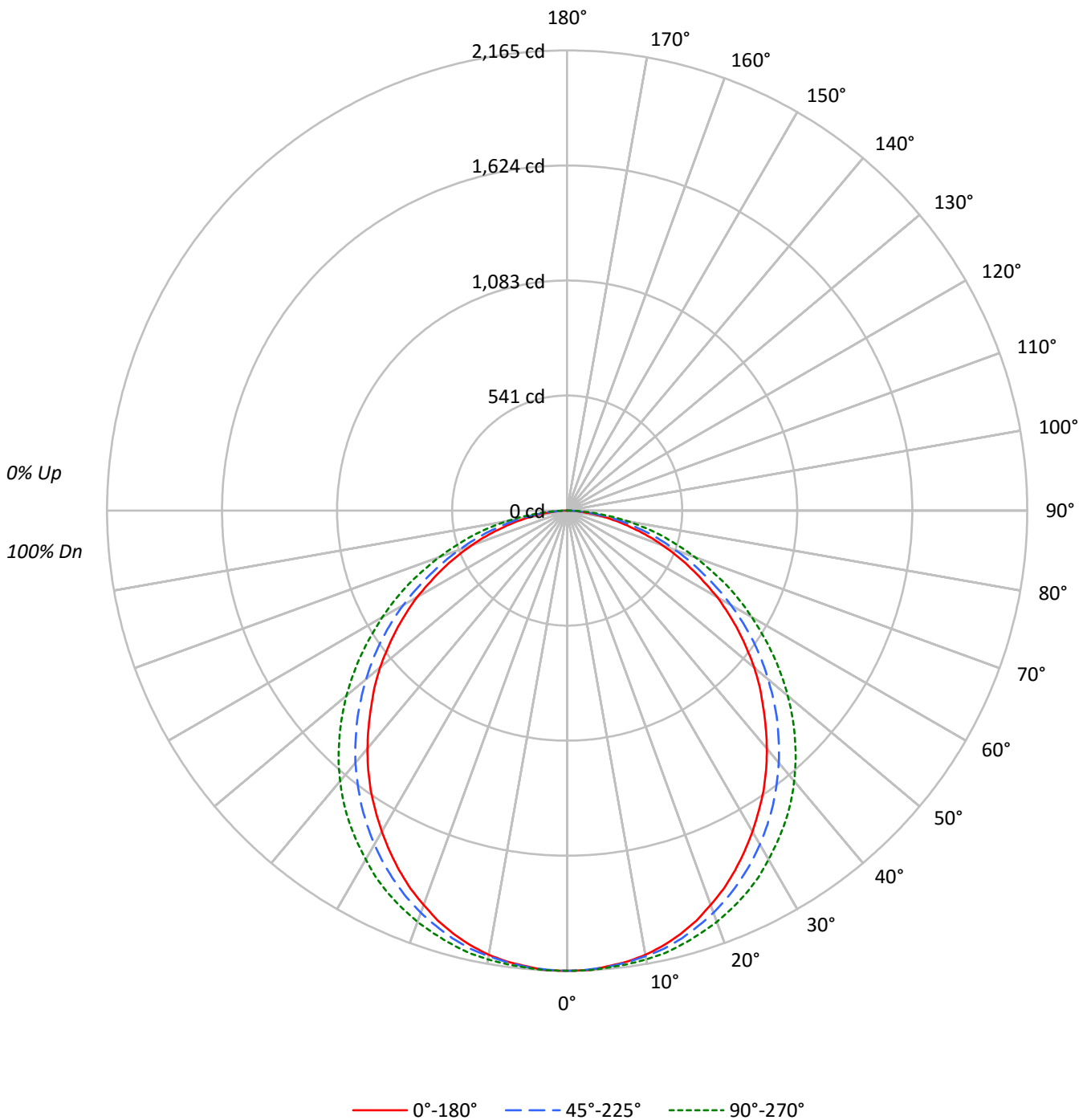
Lumens per Lamp: N/A  
Luminaire Lumens: 6011.5 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 50.9  
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: P385150  
CATALOG NUMBER: 22ID-60-L830-CNC

### Luminous Intensity Polar Plot





TEST NUMBER: P385150

CATALOG NUMBER: 22ID-60-L830-CNC

**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°	5826	5826	5826
5°	5816	5824	5832
10°	5800	5817	5858
15°	5745	5804	5880
20°	5653	5766	5896
25°	5546	5708	5907
30°	5418	5635	5889
35°	5290	5548	5877
40°	5134	5443	5838
45°	4962	5320	5770
50°	4811	5167	5675
55°	4609	5008	5548
60°	4390	4798	5402
65°	4094	4518	5252
70°	3770	4247	5034
75°	3342	3941	4824
80°	2819	3524	4465
85°	2059	2714	3557



TEST NUMBER: P385150

CATALOG NUMBER: 22ID-60-L830-CNC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.0	3.4
10°-20°	588.0	9.8
20°-30°	886.8	14.8
30°-40°	1058.7	17.6
40°-50°	1082.0	18.0
50°-60°	959.5	16.0
60°-70°	715.2	11.9
70°-80°	408.6	6.8
80°-90°	107.8	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°	1679.7	27.9
0°-40°	2738.4	45.6
0°-60°	4779.9	79.5
0°-90°	6011.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6011.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2165	2165	2165	2165	2165	
5°	2153	2153	2156	2156	2159	205
15°	2062	2068	2083	2102	2110	581
25°	1868	1883	1922	1965	1989	860
35°	1610	1631	1689	1756	1789	1006
45°	1304	1331	1398	1474	1516	1007
55°	982	1001	1067	1143	1183	878
65°	643	658	710	782	825	637
75°	321	337	379	437	464	343
85°	67	70	88	109	115	83
90°	0	0	0	0	0	



TEST NUMBER: P385150

CATALOG NUMBER: 22ID-60-L830-CNC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2165.1	2165.1	2165.1	2165.1	2165.1
2.5°	2165.1	2162.1	2162.1	2162.1	2165.1
5°	2153.0	2153.0	2156.0	2156.0	2159.1
7.5°	2140.9	2140.9	2143.9	2146.9	2153.0
10°	2122.7	2122.7	2128.7	2137.8	2143.9
12.5°	2095.4	2098.4	2110.5	2122.7	2131.8
15°	2062.0	2068.1	2083.3	2101.5	2110.5
17.5°	2022.6	2028.7	2049.9	2074.2	2086.3
20°	1974.1	1986.2	2013.5	2043.8	2059.0
22.5°	1925.6	1937.7	1971.1	2007.4	2025.6
25°	1868.0	1883.1	1922.5	1965.0	1989.3
27.5°	1807.3	1825.5	1871.0	1919.5	1946.8
30°	1743.6	1764.9	1813.4	1868.0	1895.2
32.5°	1676.9	1698.1	1752.7	1813.4	1843.7
35°	1610.2	1631.4	1689.0	1755.8	1789.1
37.5°	1537.4	1558.7	1619.3	1692.1	1728.5
40°	1461.6	1485.9	1549.6	1622.3	1661.8
42.5°	1382.8	1410.1	1473.7	1552.6	1592.0
45°	1303.9	1331.2	1397.9	1473.7	1516.2
47.5°	1228.1	1249.3	1316.1	1394.9	1437.4
50°	1149.3	1167.5	1234.2	1313.0	1355.5
52.5°	1064.4	1088.6	1152.3	1231.2	1270.6
55°	982.5	1000.7	1067.4	1143.2	1182.6
57.5°	897.6	915.8	979.5	1055.3	1091.7
60°	815.7	833.9	891.5	967.3	1003.7
62.5°	724.7	742.9	800.6	879.4	915.8
65°	642.9	658.0	709.6	782.4	824.8
67.5°	561.0	576.2	624.7	694.4	727.8
70°	479.1	491.2	539.8	603.4	639.8
72.5°	400.3	412.4	460.9	518.5	548.9
75°	321.4	336.6	379.0	436.7	464.0
77.5°	248.7	263.8	300.2	351.8	376.0
80°	181.9	194.1	227.4	266.9	288.1
82.5°	121.3	130.4	154.7	188.0	203.2
85°	66.7	69.7	87.9	109.2	115.2
87.5°	27.3	27.3	33.4	36.4	39.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)