

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: P385326

Luminaire Tested: **22ID-70-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385326
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: 22ID-70-L830-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

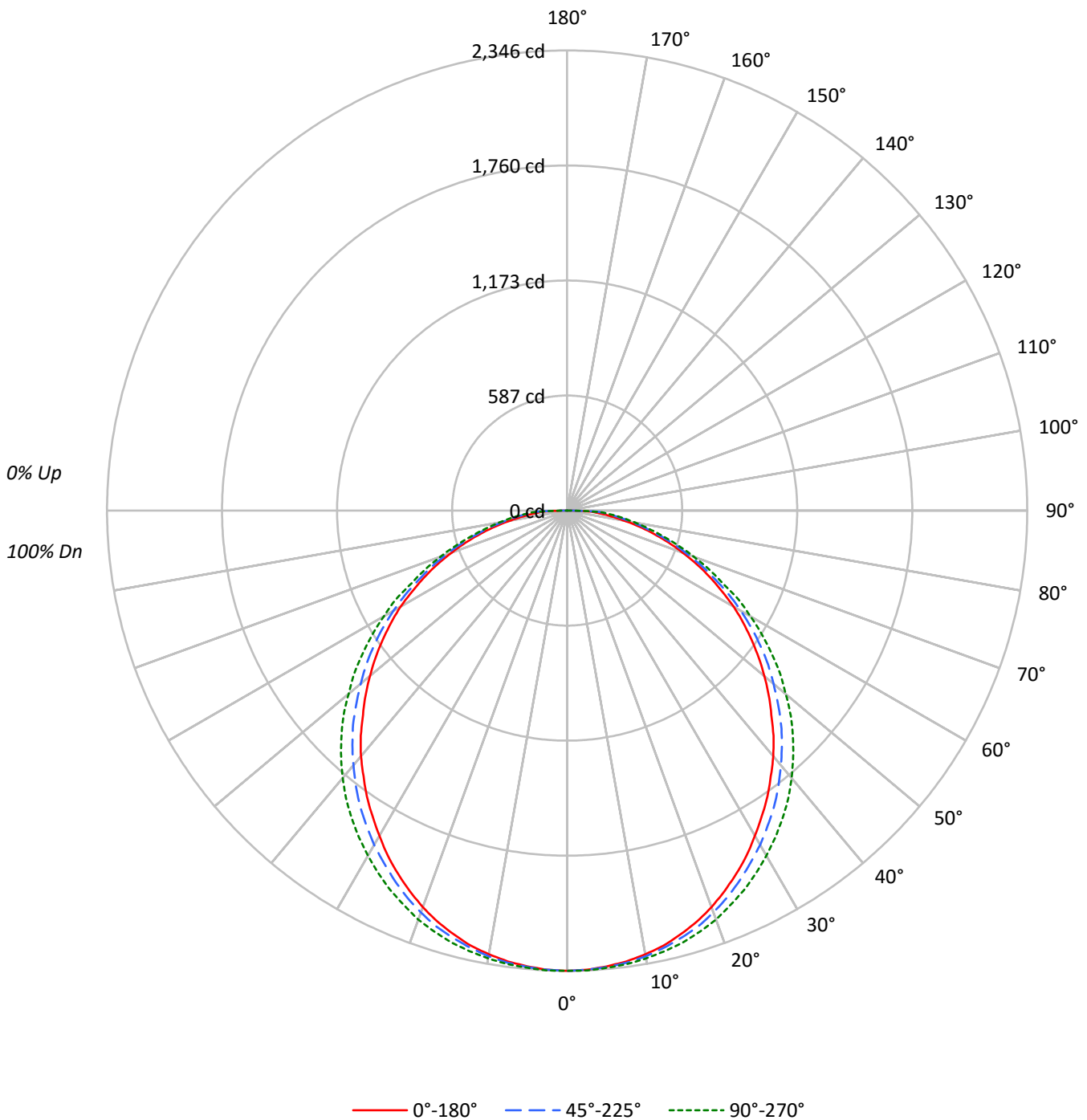
Lumens per Lamp: N/A
Luminaire Lumens: 6805.6 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 61.1
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



TEST NUMBER: P385326
CATALOG NUMBER: 22ID-70-L830-CNV

Luminous Intensity Polar Plot





TEST NUMBER: P385326

CATALOG NUMBER: 22ID-70-L830-CNV

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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6314	6314	6314
5°	6255	6245	6274
10°	6185	6177	6242
15°	6095	6088	6211
20°	5981	5986	6167
25°	5837	5857	6099
30°	5676	5725	6023
35°	5526	5585	5943
40°	5368	5419	5845
45°	5172	5253	5719
50°	5000	5041	5539
55°	4808	4832	5342
60°	4610	4571	5077
65°	4340	4245	4722
70°	4010	3891	4396
75°	3620	3501	4014
80°	3091	3090	3687
85°	2630	2793	3526



TEST NUMBER: P385326

CATALOG NUMBER: 22ID-70-L830-CNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.0	3.3
10°-20°	636.3	9.3
20°-30°	960.2	14.1
30°-40°	1152.5	16.9
40°-50°	1192.7	17.5
50°-60°	1080.5	15.9
60°-70°	832.5	12.2
70°-80°	515.1	7.6
80°-90°	213.9	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°	1818.4	26.7
0°-40°	2970.9	43.7
0°-60°	5244.1	77.1
0°-90°	6805.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6805.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2346	2346	2346	2346	2346	
5°	2332	2332	2336	2336	2339	222
15°	2237	2240	2254	2269	2279	631
25°	2042	2049	2081	2116	2134	941
35°	1780	1794	1840	1890	1915	1113
45°	1472	1494	1543	1600	1628	1138
55°	1147	1164	1203	1256	1274	1027
65°	803	810	835	871	874	794
75°	456	467	485	506	506	484
85°	166	184	212	226	223	180
90°	0	0	0	0	0	



TEST NUMBER: P385326

CATALOG NUMBER: 22ID-70-L830-CNV

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2346.4	2346.4	2346.4	2346.4	2346.4
2.5°	2342.9	2342.9	2342.9	2342.9	2346.4
5°	2332.3	2332.3	2335.8	2335.8	2339.4
7.5°	2318.1	2318.1	2325.2	2325.2	2332.3
10°	2296.9	2300.4	2307.5	2311.0	2318.1
12.5°	2272.1	2272.1	2282.7	2293.3	2300.4
15°	2236.7	2240.3	2254.4	2268.6	2279.2
17.5°	2197.8	2201.3	2222.6	2236.7	2250.9
20°	2151.8	2155.3	2180.1	2201.3	2219.0
22.5°	2098.7	2105.8	2134.1	2162.4	2176.6
25°	2042.1	2049.1	2081.0	2116.4	2134.1
27.5°	1981.9	1992.5	2024.4	2063.3	2084.5
30°	1914.7	1928.8	1967.7	2010.2	2031.5
32.5°	1847.4	1861.6	1904.0	1953.6	1974.8
35°	1780.2	1794.3	1840.3	1889.9	1914.7
37.5°	1705.9	1720.0	1769.6	1822.6	1851.0
40°	1635.1	1649.2	1695.2	1755.4	1780.2
42.5°	1557.2	1571.4	1620.9	1677.5	1705.9
45°	1472.3	1493.5	1543.1	1599.7	1628.0
47.5°	1394.4	1412.1	1458.1	1518.3	1546.6
50°	1313.0	1330.7	1373.2	1433.3	1454.6
52.5°	1231.6	1249.3	1291.8	1348.4	1369.6
55°	1146.7	1164.4	1203.3	1256.4	1274.1
57.5°	1065.3	1079.4	1114.8	1164.4	1178.5
60°	980.3	994.5	1022.8	1068.8	1079.4
62.5°	888.3	898.9	930.8	973.3	987.4
65°	803.4	810.5	835.2	870.6	874.2
67.5°	714.9	722.0	746.8	771.5	782.1
70°	626.4	637.0	654.7	679.5	686.6
72.5°	541.5	552.1	569.8	591.0	594.6
75°	456.5	467.2	484.9	506.1	506.1
77.5°	375.1	385.8	407.0	424.7	424.7
80°	293.7	311.4	332.7	350.4	350.4
82.5°	226.5	240.7	269.0	283.1	283.1
85°	166.3	184.0	212.3	226.5	223.0
87.5°	120.3	138.0	162.8	173.4	169.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)