

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: P385318

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385318
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-60-L830-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

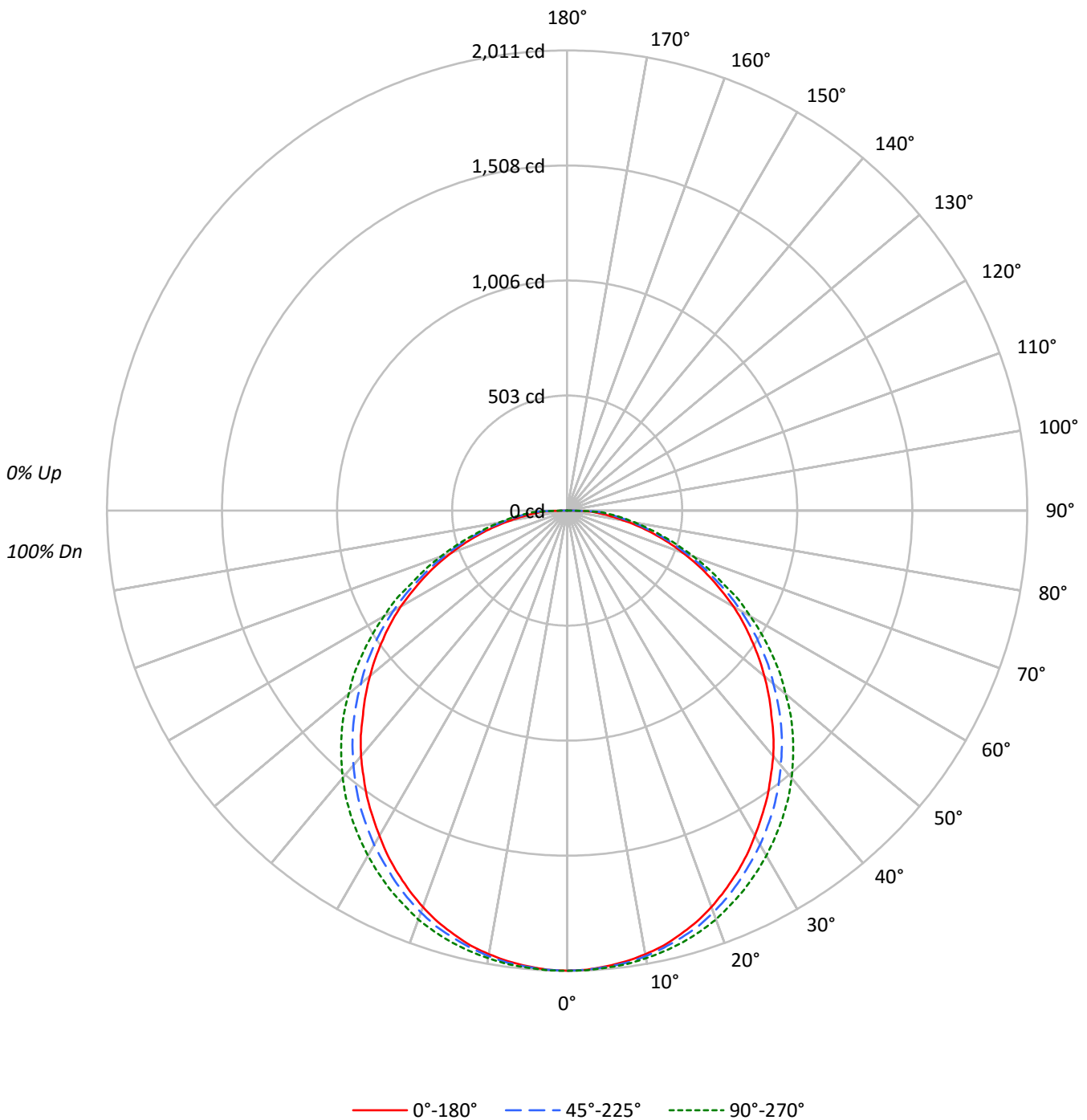
Lumens per Lamp: N/A
Luminaire Lumens: 5832.6 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 50.9
Input Voltage (V): NR
Input Current (A_{in}): 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: P385318
CATALOG NUMBER: 22ID-60-L830-CNV

Luminous Intensity Polar Plot





TEST NUMBER: P385318

CATALOG NUMBER: 22ID-60-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°	5412	5412	5412
5°	5360	5352	5377
10°	5301	5294	5350
15°	5224	5218	5323
20°	5125	5130	5286
25°	5002	5020	5227
30°	4865	4906	5161
35°	4736	4786	5093
40°	4601	4644	5009
45°	4433	4502	4901
50°	4285	4320	4747
55°	4120	4141	4578
60°	3952	3918	4351
65°	3719	3638	4047
70°	3437	3335	3767
75°	3103	3000	3440
80°	2649	2648	3160
85°	2255	2394	3022



TEST NUMBER: P385318

CATALOG NUMBER: 22ID-60-L830-CNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	3.3
10°-20°	545.3	9.3
20°-30°	822.9	14.1
30°-40°	987.7	16.9
40°-50°	1022.2	17.5
50°-60°	926.0	15.9
60°-70°	713.4	12.2
70°-80°	441.5	7.6
80°-90°	183.4	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°	1558.4	26.7
0°-40°	2546.1	43.7
0°-60°	4494.3	77.1
0°-90°	5832.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5832.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2011	2011	2011	2011	2011	
5°	1999	1999	2002	2002	2005	190
15°	1917	1920	1932	1944	1953	541
25°	1750	1756	1784	1814	1829	806
35°	1526	1538	1577	1620	1641	954
45°	1262	1280	1322	1371	1395	976
55°	983	998	1031	1077	1092	880
65°	688	695	716	746	749	681
75°	391	400	416	434	434	414
85°	143	158	182	194	191	154
90°	0	0	0	0	0	



TEST NUMBER: P385318

CATALOG NUMBER: 22ID-60-L830-CNV

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2011.0	2011.0	2011.0	2011.0	2011.0
2.5°	2007.9	2007.9	2007.9	2007.9	2011.0
5°	1998.8	1998.8	2001.9	2001.9	2004.9
7.5°	1986.7	1986.7	1992.8	1992.8	1998.8
10°	1968.5	1971.5	1977.6	1980.6	1986.7
12.5°	1947.3	1947.3	1956.4	1965.5	1971.5
15°	1916.9	1920.0	1932.1	1944.2	1953.3
17.5°	1883.6	1886.6	1904.8	1916.9	1929.1
20°	1844.1	1847.2	1868.4	1886.6	1901.8
22.5°	1798.6	1804.7	1829.0	1853.2	1865.4
25°	1750.1	1756.2	1783.5	1813.8	1829.0
27.5°	1698.6	1707.6	1734.9	1768.3	1786.5
30°	1640.9	1653.1	1686.4	1722.8	1741.0
32.5°	1583.3	1595.4	1631.8	1674.3	1692.5
35°	1525.7	1537.8	1577.2	1619.7	1640.9
37.5°	1462.0	1474.1	1516.6	1562.1	1586.3
40°	1401.3	1413.4	1452.9	1504.4	1525.7
42.5°	1334.6	1346.7	1389.2	1437.7	1462.0
45°	1261.8	1280.0	1322.4	1371.0	1395.2
47.5°	1195.1	1210.2	1249.6	1301.2	1325.5
50°	1125.3	1140.5	1176.9	1228.4	1246.6
52.5°	1055.5	1070.7	1107.1	1155.6	1173.8
55°	982.7	997.9	1031.3	1076.8	1091.9
57.5°	913.0	925.1	955.4	997.9	1010.0
60°	840.2	852.3	876.6	916.0	925.1
62.5°	761.3	770.4	797.7	834.1	846.2
65°	688.5	694.6	715.8	746.1	749.2
67.5°	612.7	618.8	640.0	661.2	670.3
70°	536.9	546.0	561.1	582.4	588.4
72.5°	464.1	473.2	488.3	506.5	509.6
75°	391.3	400.4	415.5	433.7	433.7
77.5°	321.5	330.6	348.8	364.0	364.0
80°	251.7	266.9	285.1	300.3	300.3
82.5°	194.1	206.3	230.5	242.7	242.7
85°	142.6	157.7	182.0	194.1	191.1
87.5°	103.1	118.3	139.5	148.6	145.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)