

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: P385314

Luminaire Tested: **22ID-55-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385314
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-55-L830-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

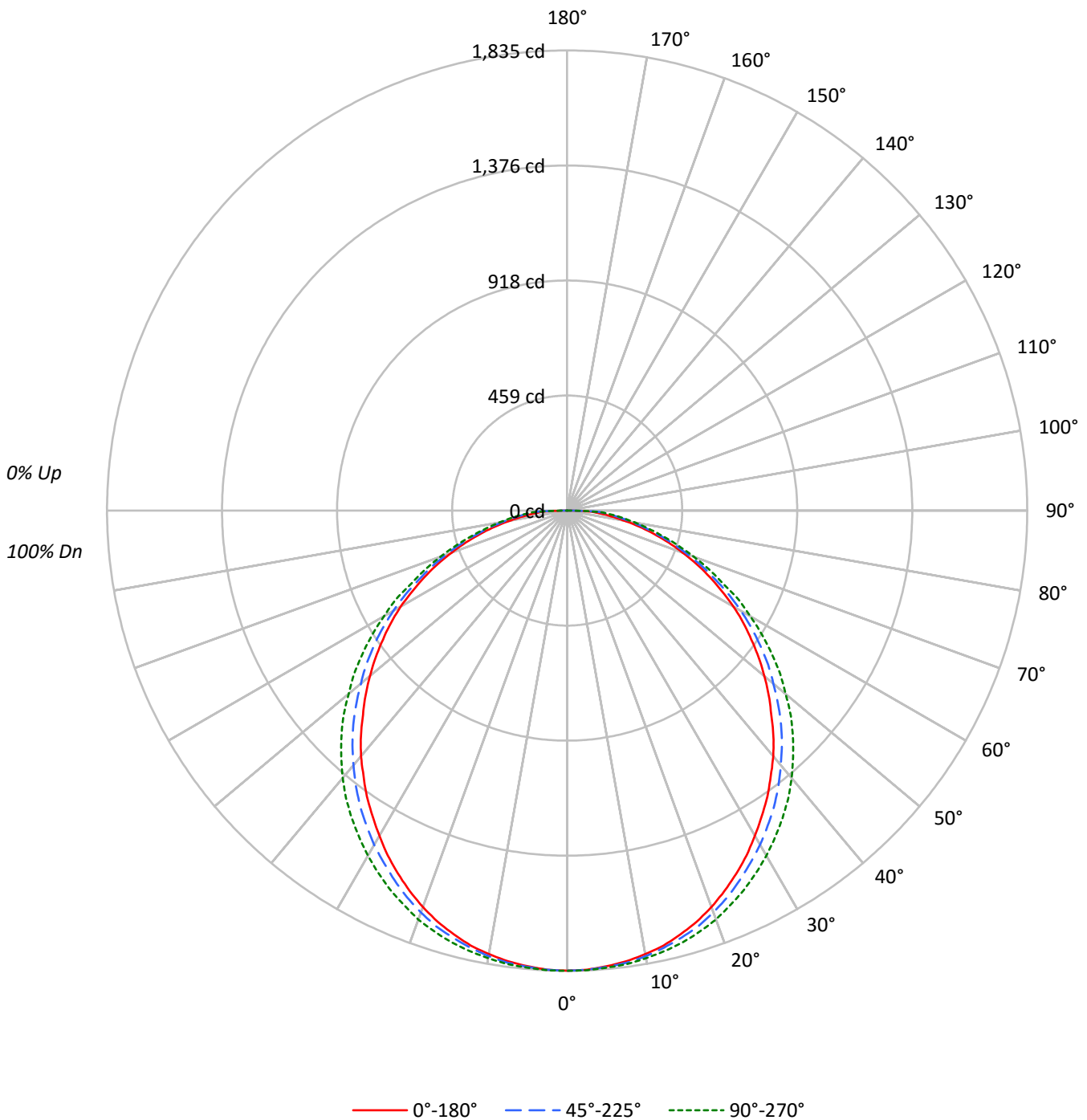
Lumens per Lamp: N/A
Luminaire Lumens: 5322.0 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 45.9
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



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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	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°	4938	4938	4938
5°	4891	4884	4906
10°	4837	4830	4882
15°	4766	4761	4857
20°	4677	4681	4823
25°	4564	4580	4770
30°	4439	4477	4710
35°	4321	4367	4648
40°	4198	4238	4571
45°	4044	4108	4472
50°	3910	3942	4332
55°	3760	3779	4177
60°	3605	3575	3970
65°	3394	3320	3693
70°	3136	3043	3437
75°	2831	2738	3139
80°	2417	2417	2883
85°	2057	2185	2758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.6	3.3
10°-20°	497.6	9.3
20°-30°	750.8	14.1
30°-40°	901.2	16.9
40°-50°	932.7	17.5
50°-60°	845.0	15.9
60°-70°	651.0	12.2
70°-80°	402.8	7.6
80°-90°	167.3	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°	1422.0	26.7
0°-40°	2323.2	43.7
0°-60°	4100.9	77.1
0°-90°	5322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1835	1835	1835	1835	1835	
5°	1824	1824	1827	1827	1829	173
15°	1749	1752	1763	1774	1782	493
25°	1597	1602	1627	1655	1669	736
35°	1392	1403	1439	1478	1497	870
45°	1151	1168	1207	1251	1273	890
55°	897	910	941	982	996	803
65°	628	634	653	681	684	621
75°	357	365	379	396	396	378
85°	130	144	166	177	174	141
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1834.9	1834.9	1834.9	1834.9	1834.9
2.5°	1832.2	1832.2	1832.2	1832.2	1834.9
5°	1823.8	1823.8	1826.6	1826.6	1829.4
7.5°	1812.8	1812.8	1818.3	1818.3	1823.8
10°	1796.2	1798.9	1804.5	1807.2	1812.8
12.5°	1776.8	1776.8	1785.1	1793.4	1798.9
15°	1749.1	1751.9	1763.0	1774.0	1782.3
17.5°	1718.7	1721.4	1738.1	1749.1	1760.2
20°	1682.7	1685.5	1704.8	1721.4	1735.3
22.5°	1641.2	1646.7	1668.9	1691.0	1702.1
25°	1596.9	1602.4	1627.3	1655.0	1668.9
27.5°	1549.9	1558.2	1583.1	1613.5	1630.1
30°	1497.3	1508.3	1538.8	1572.0	1588.6
32.5°	1444.7	1455.8	1489.0	1527.7	1544.3
35°	1392.1	1403.2	1439.2	1477.9	1497.3
37.5°	1334.0	1345.1	1383.8	1425.3	1447.5
40°	1278.6	1289.7	1325.7	1372.7	1392.1
42.5°	1217.7	1228.8	1267.6	1311.8	1334.0
45°	1151.3	1167.9	1206.7	1251.0	1273.1
47.5°	1090.4	1104.3	1140.3	1187.3	1209.4
50°	1026.8	1040.6	1073.8	1120.9	1137.5
52.5°	963.1	977.0	1010.2	1054.5	1071.1
55°	896.7	910.5	941.0	982.5	996.3
57.5°	833.0	844.1	871.8	910.5	921.6
60°	766.6	777.7	799.8	835.8	844.1
62.5°	694.7	703.0	727.9	761.1	772.2
65°	628.2	633.8	653.2	680.8	683.6
67.5°	559.1	564.6	584.0	603.3	611.6
70°	489.9	498.2	512.0	531.4	536.9
72.5°	423.4	431.7	445.6	462.2	465.0
75°	357.0	365.3	379.2	395.8	395.8
77.5°	293.4	301.7	318.3	332.1	332.1
80°	229.7	243.5	260.2	274.0	274.0
82.5°	177.1	188.2	210.3	221.4	221.4
85°	130.1	143.9	166.1	177.1	174.4
87.5°	94.1	107.9	127.3	135.6	132.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)