

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: P385317

Luminaire Tested: **22ID-55-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385317
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-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

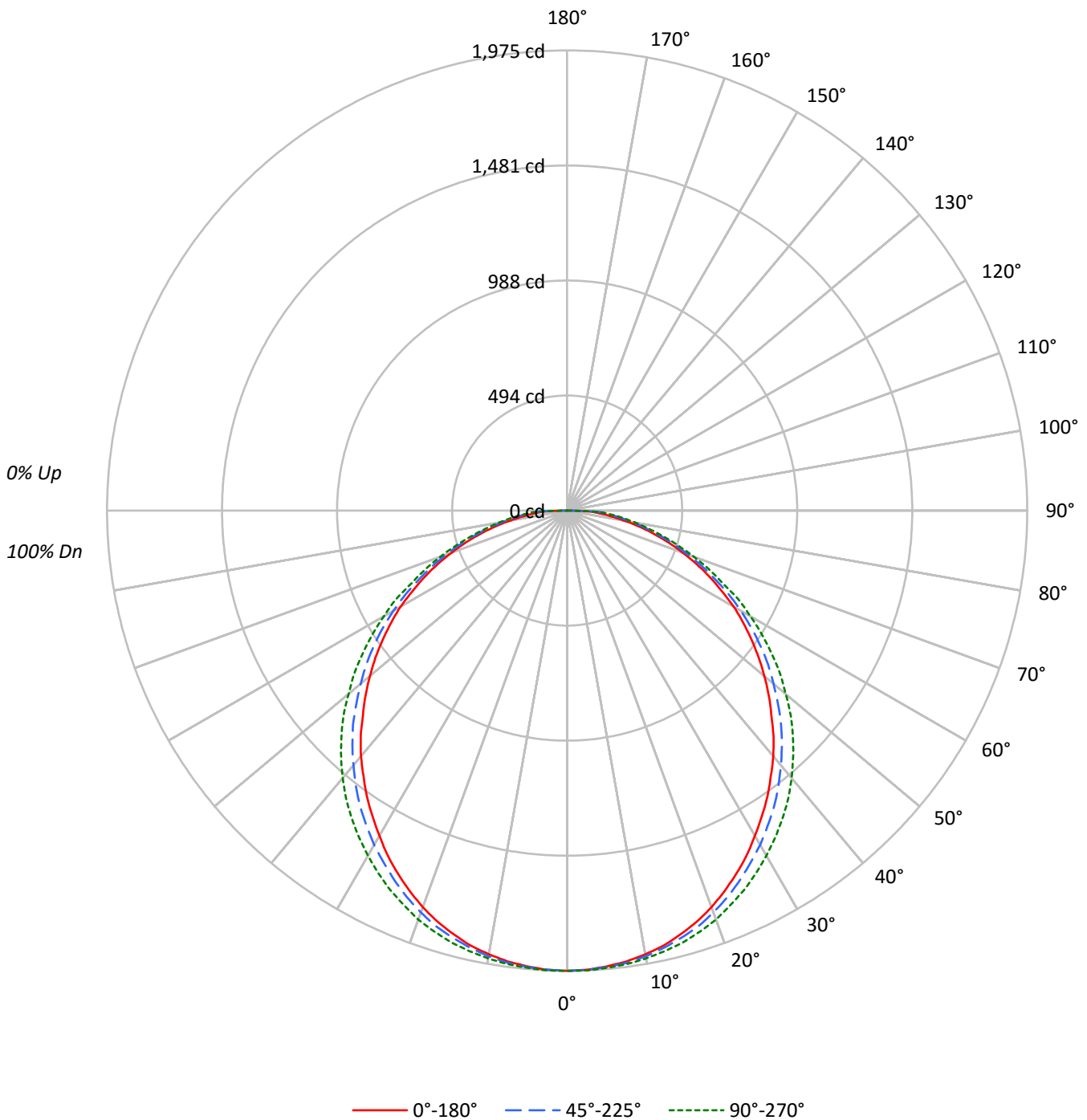
Lumens per Lamp: N/A
Luminaire Lumens: 5729.4 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 46.3
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: P385317
CATALOG NUMBER: 22ID-55-L850-CNV

Luminous Intensity Polar Plot





TEST NUMBER: P385317

CATALOG NUMBER: 22ID-55-L850-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°	5316	5316	5316
5°	5266	5258	5281
10°	5207	5200	5255
15°	5131	5126	5229
20°	5035	5040	5192
25°	4913	4931	5135
30°	4779	4820	5070
35°	4652	4702	5003
40°	4519	4562	4921
45°	4354	4422	4815
50°	4210	4243	4664
55°	4047	4068	4497
60°	3881	3849	4274
65°	3653	3574	3975
70°	3376	3276	3700
75°	3049	2948	3379
80°	2602	2602	3104
85°	2214	2352	2968



TEST NUMBER: P385317

CATALOG NUMBER: 22ID-55-L850-CNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.9	3.3
10°-20°	535.6	9.3
20°-30°	808.3	14.1
30°-40°	970.2	16.9
40°-50°	1004.1	17.5
50°-60°	909.6	15.9
60°-70°	700.8	12.2
70°-80°	433.7	7.6
80°-90°	180.1	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°	1530.9	26.7
0°-40°	2501.1	43.7
0°-60°	4414.8	77.1
0°-90°	5729.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5729.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1975	1975	1975	1975	1975	
5°	1964	1964	1966	1966	1969	187
15°	1883	1886	1898	1910	1919	531
25°	1719	1725	1752	1782	1797	792
35°	1499	1511	1549	1591	1612	937
45°	1240	1257	1299	1347	1371	958
55°	965	980	1013	1058	1073	864
65°	676	682	703	733	736	669
75°	384	393	408	426	426	407
85°	140	155	179	191	188	151
90°	0	0	0	0	0	



TEST NUMBER: P385317

CATALOG NUMBER: 22ID-55-L850-CNV

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1975.4	1975.4	1975.4	1975.4	1975.4
2.5°	1972.4	1972.4	1972.4	1972.4	1975.4
5°	1963.5	1963.5	1966.4	1966.4	1969.4
7.5°	1951.5	1951.5	1957.5	1957.5	1963.5
10°	1933.7	1936.6	1942.6	1945.6	1951.5
12.5°	1912.8	1912.8	1921.8	1930.7	1936.6
15°	1883.0	1886.0	1897.9	1909.8	1918.8
17.5°	1850.2	1853.2	1871.1	1883.0	1894.9
20°	1811.5	1814.5	1835.3	1853.2	1868.1
22.5°	1766.8	1772.8	1796.6	1820.4	1832.4
25°	1719.1	1725.1	1751.9	1781.7	1796.6
27.5°	1668.5	1677.4	1704.3	1737.0	1754.9
30°	1611.9	1623.8	1656.6	1692.3	1710.2
32.5°	1555.3	1567.2	1602.9	1644.7	1662.5
35°	1498.7	1510.6	1549.3	1591.0	1611.9
37.5°	1436.1	1448.0	1489.7	1534.4	1558.3
40°	1376.5	1388.4	1427.2	1477.8	1498.7
42.5°	1311.0	1322.9	1364.6	1412.3	1436.1
45°	1239.5	1257.3	1299.0	1346.7	1370.6
47.5°	1173.9	1188.8	1227.5	1278.2	1302.0
50°	1105.4	1120.3	1156.0	1206.7	1224.6
52.5°	1036.9	1051.7	1087.5	1135.2	1153.1
55°	965.3	980.2	1013.0	1057.7	1072.6
57.5°	896.8	908.7	938.5	980.2	992.2
60°	825.3	837.2	861.1	899.8	908.7
62.5°	747.8	756.8	783.6	819.4	831.3
65°	676.3	682.3	703.2	732.9	735.9
67.5°	601.9	607.8	628.7	649.5	658.5
70°	527.4	536.3	551.2	572.1	578.0
72.5°	455.9	464.8	479.7	497.6	500.5
75°	384.4	393.3	408.2	426.1	426.1
77.5°	315.8	324.8	342.6	357.5	357.5
80°	247.3	262.2	280.1	295.0	295.0
82.5°	190.7	202.6	226.4	238.4	238.4
85°	140.0	154.9	178.8	190.7	187.7
87.5°	101.3	116.2	137.1	146.0	143.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)