

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: P506361

Luminaire Tested: **22PD-55-PR1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-55-PR1-L850
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

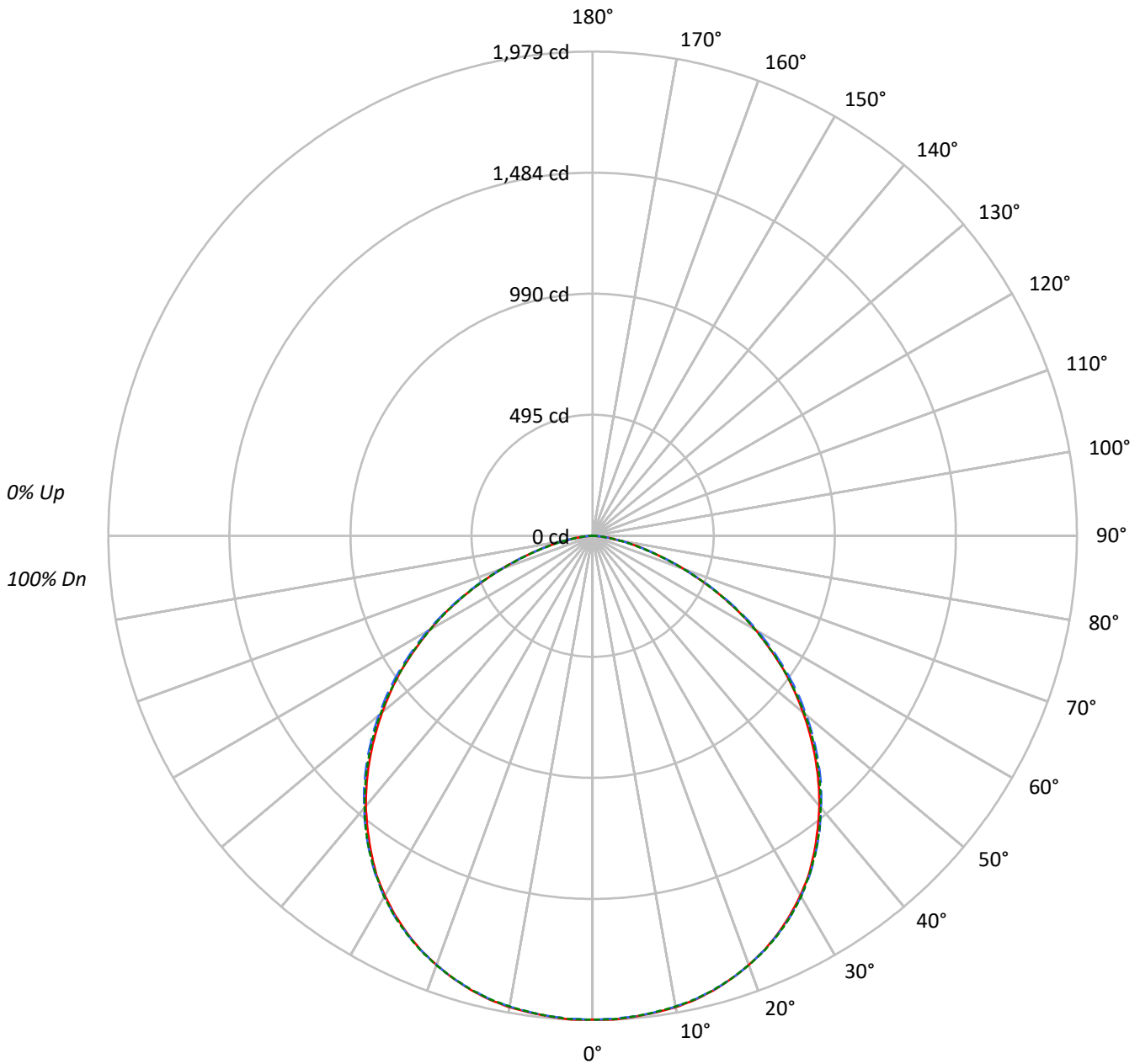
Lumens per Lamp: N/A
Luminaire Lumens: 5285.0 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5322	5322	5322
5°	5330	5327	5327
10°	5347	5339	5339
15°	5354	5348	5350
20°	5346	5344	5348
25°	5323	5329	5333
30°	5275	5291	5294
35°	5186	5214	5212
40°	5065	5100	5093
45°	4899	4962	4937
50°	4700	4772	4734
55°	4461	4533	4467
60°	4136	4193	4122
65°	3690	3728	3686
70°	3104	3104	3083
75°	2432	2432	2405
80°	1782	1762	1751
85°	1164	1164	1183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.6	3.6
10°-20°	542.0	10.3
20°-30°	826.8	15.6
30°-40°	990.8	18.7
40°-50°	1000.7	18.9
50°-60°	856.2	16.2
60°-70°	577.4	10.9
70°-80°	254.7	4.8
80°-90°	48.9	0.9
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°	1556.4	29.4
0°-40°	2547.2	48.2
0°-60°	4404.1	83.3
0°-90°	5285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1978	1978	1978	1978	1978	
5°	1973	1971	1972	1971	1972	188
15°	1922	1921	1920	1919	1920	542
25°	1793	1795	1795	1795	1796	826
35°	1579	1588	1587	1586	1587	987
45°	1287	1297	1304	1302	1297	992
55°	951	960	966	965	952	847
65°	580	584	586	584	579	573
75°	234	235	234	235	231	255
85°	38	38	38	38	38	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1977.8	1977.8	1977.8	1977.8	1977.8
2.5°	1979.1	1976.5	1975.8	1975.2	1977.8
5°	1973.2	1970.6	1971.9	1970.6	1971.9
7.5°	1965.9	1963.3	1963.9	1962.6	1963.9
10°	1956.7	1954.0	1954.0	1952.7	1954.0
12.5°	1942.1	1940.2	1939.5	1938.2	1940.2
15°	1921.7	1921.0	1919.7	1919.0	1920.3
17.5°	1896.5	1895.2	1896.5	1894.6	1895.9
20°	1866.8	1867.5	1866.1	1866.8	1867.5
22.5°	1833.1	1833.1	1833.8	1833.8	1835.1
25°	1792.8	1794.8	1794.8	1794.8	1796.1
27.5°	1747.9	1750.5	1752.5	1751.2	1752.5
30°	1697.6	1702.3	1702.9	1702.3	1703.6
32.5°	1643.5	1646.8	1648.7	1647.4	1646.1
35°	1578.7	1587.9	1587.3	1586.0	1586.6
37.5°	1510.6	1519.9	1523.2	1520.5	1521.2
40°	1441.9	1449.8	1451.8	1452.5	1449.8
42.5°	1365.9	1375.2	1382.4	1379.1	1375.2
45°	1287.3	1297.2	1303.8	1301.8	1297.2
47.5°	1206.0	1215.2	1224.5	1221.2	1216.6
50°	1122.7	1132.0	1139.9	1138.6	1130.7
52.5°	1037.5	1048.1	1055.3	1052.7	1042.1
55°	950.9	959.5	966.1	964.8	952.2
57.5°	857.1	868.3	871.6	869.6	860.4
60°	768.5	775.8	779.1	776.5	765.9
62.5°	674.0	680.0	682.6	682.0	674.7
65°	579.5	584.2	585.5	584.2	578.9
67.5°	482.4	489.0	489.7	489.7	484.4
70°	394.5	396.5	394.5	399.8	391.9
72.5°	309.3	310.6	309.3	309.3	306.0
75°	233.9	234.6	233.9	234.6	231.3
77.5°	169.2	170.5	167.8	169.8	166.5
80°	115.0	115.0	113.7	114.3	113.0
82.5°	71.4	72.7	70.7	70.7	70.0
85°	37.7	37.7	37.7	38.3	38.3
87.5°	13.2	13.2	13.9	13.9	13.2
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)