

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: P506712

Luminaire Tested: **24PD-55-PR1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PR1-L850
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

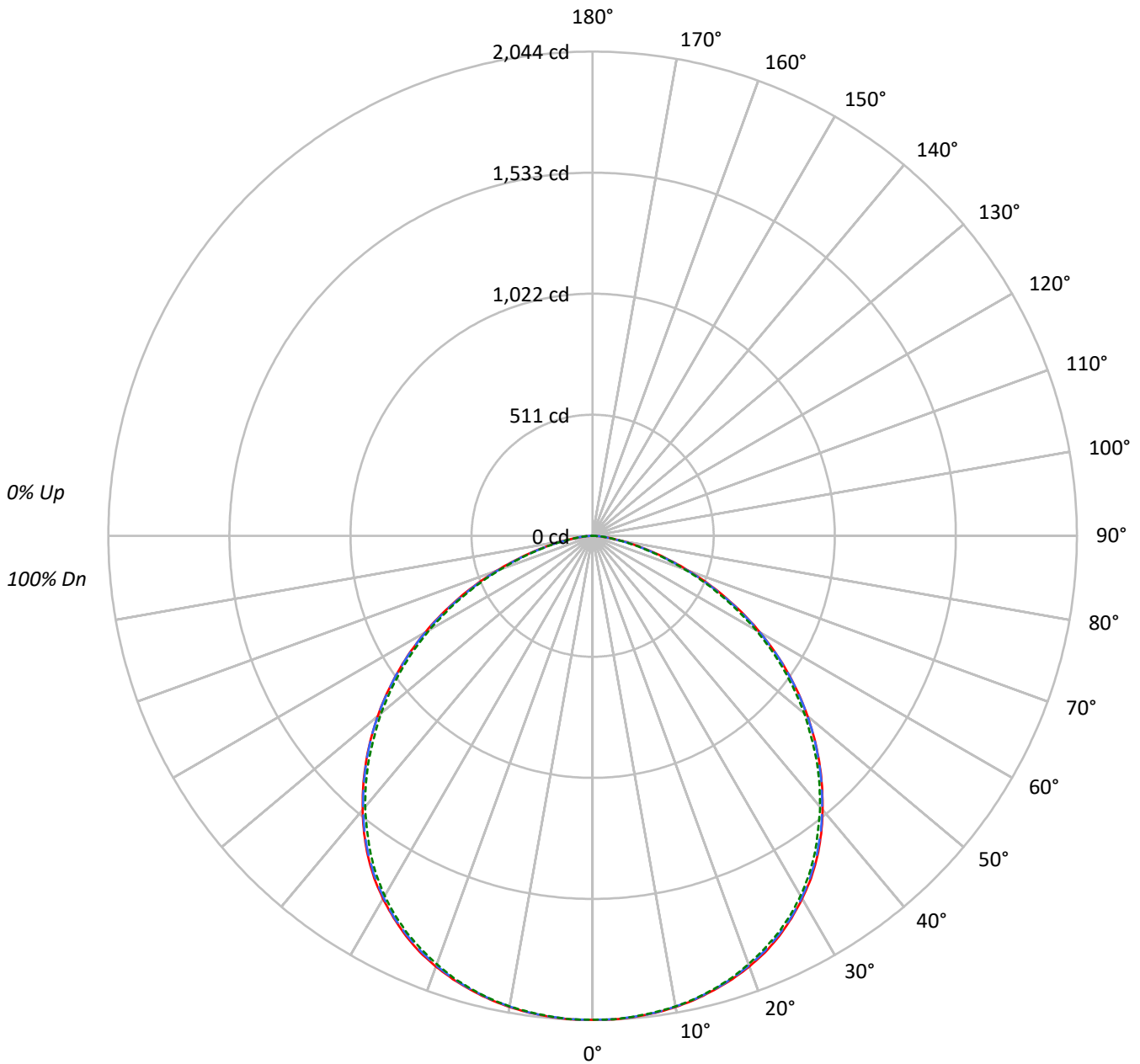
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5501.0 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.2
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	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	87	85			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2749	2749	2749
5°	2754	2753	2751
10°	2760	2757	2756
15°	2765	2762	2759
20°	2771	2764	2756
25°	2768	2760	2748
30°	2749	2742	2727
35°	2716	2707	2685
40°	2653	2646	2623
45°	2575	2571	2542
50°	2479	2478	2440
55°	2357	2352	2308
60°	2197	2188	2139
65°	1979	1956	1910
70°	1690	1665	1624
75°	1336	1306	1276
80°	948	924	896
85°	570	554	537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	3.5
10°-20°	559.9	10.2
20°-30°	856.0	15.6
30°-40°	1027.9	18.7
40°-50°	1038.8	18.9
50°-60°	892.6	16.2
60°-70°	608.9	11.1
70°-80°	273.8	5.0
80°-90°	49.2	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°	1609.8	29.3
0°-40°	2637.8	48.0
0°-60°	4569.2	83.1
0°-90°	5501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2043	2043	2043	2043	2043	
5°	2039	2039	2038	2037	2037	194
15°	1985	1985	1983	1981	1980	561
25°	1864	1864	1859	1853	1851	859
35°	1653	1653	1648	1638	1635	1032
45°	1353	1357	1351	1342	1336	1043
55°	1005	1008	1003	994	984	897
65°	622	625	614	610	600	615
75°	257	259	251	250	245	278
85°	37	38	36	36	35	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2043.3	2043.3	2043.3	2043.3	2043.3
2.5°	2043.8	2043.3	2042.8	2041.7	2043.3
5°	2039.1	2038.6	2038.0	2037.0	2037.0
7.5°	2031.7	2030.7	2030.7	2029.1	2028.5
10°	2020.1	2019.6	2018.0	2018.0	2017.5
12.5°	2005.3	2004.3	2002.7	2002.2	2001.1
15°	1985.3	1984.7	1982.6	1981.0	1980.5
17.5°	1962.6	1961.0	1959.4	1955.7	1955.7
20°	1935.1	1934.1	1930.4	1926.7	1924.6
22.5°	1903.5	1901.4	1897.1	1893.4	1889.2
25°	1864.4	1863.9	1859.1	1852.8	1851.2
27.5°	1819.0	1820.1	1815.3	1809.0	1805.8
30°	1769.4	1771.5	1764.7	1756.8	1755.2
32.5°	1715.1	1715.6	1709.8	1701.4	1698.2
35°	1653.3	1653.3	1648.1	1638.0	1634.9
37.5°	1584.7	1584.2	1581.0	1569.4	1563.6
40°	1510.3	1513.0	1506.6	1496.1	1493.4
42.5°	1433.3	1436.4	1430.6	1421.7	1415.9
45°	1353.1	1356.8	1351.0	1341.5	1335.7
47.5°	1270.2	1272.9	1268.6	1256.5	1248.6
50°	1184.2	1189.5	1183.7	1171.0	1165.7
52.5°	1095.5	1101.3	1094.5	1085.0	1075.0
55°	1004.8	1008.5	1002.7	993.7	983.7
57.5°	911.4	918.8	909.3	898.7	890.3
60°	816.4	822.7	813.2	803.7	794.7
62.5°	719.8	724.0	713.5	707.7	697.1
65°	621.7	624.8	614.3	610.0	600.0
67.5°	524.6	527.2	517.2	511.4	505.6
70°	429.6	431.7	423.2	418.0	412.7
72.5°	339.8	340.4	332.5	330.9	324.5
75°	257.0	259.1	251.2	249.6	245.4
77.5°	184.7	185.2	180.0	178.9	175.2
80°	122.4	123.0	119.3	118.7	115.6
82.5°	73.9	74.4	71.2	71.2	69.1
85°	36.9	37.5	35.9	35.9	34.8
87.5°	12.7	13.2	12.7	12.7	12.1
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)