

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: P506703

Luminaire Tested: **24PD-55-PL1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PL1-L850
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

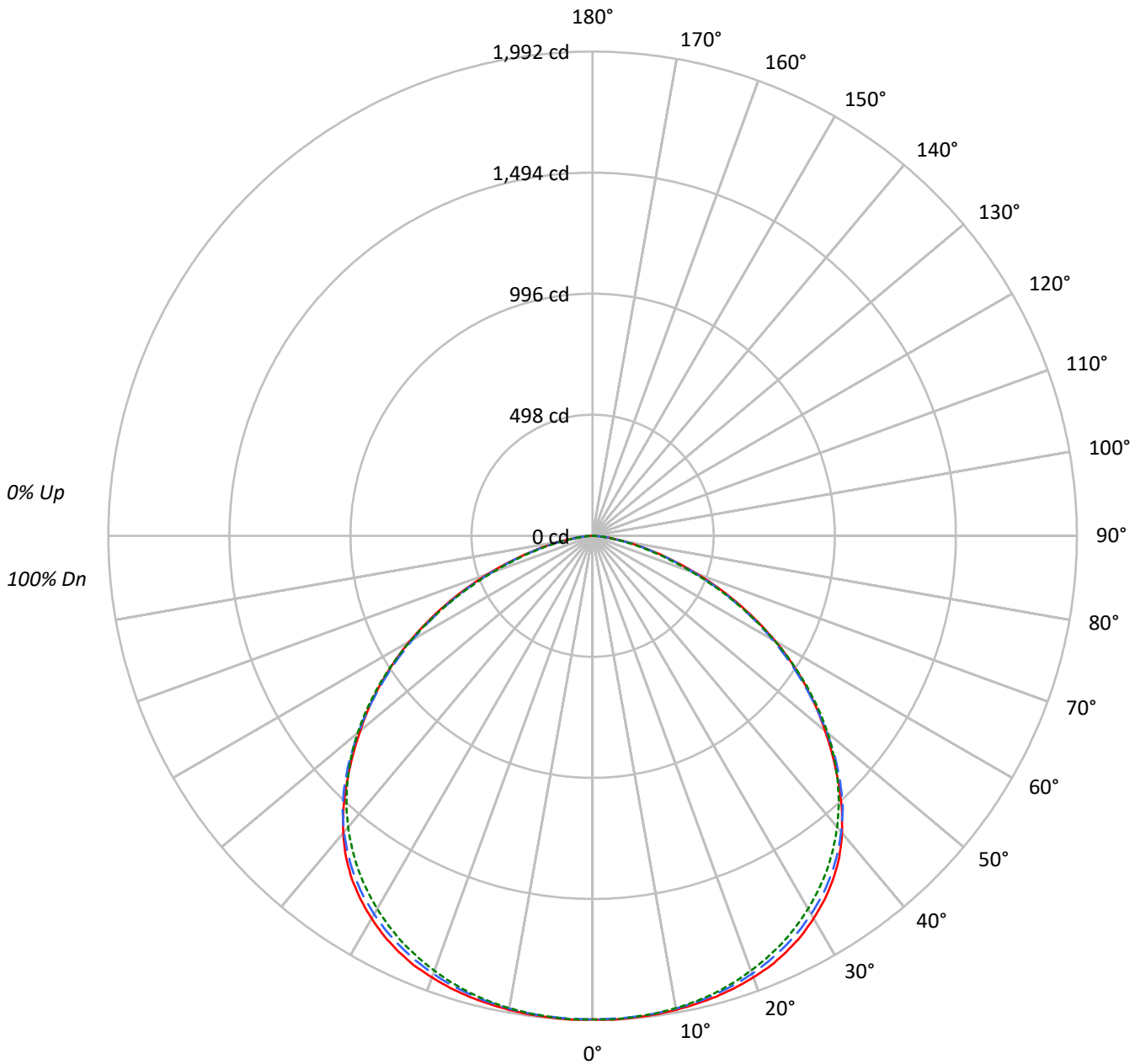
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5708.1 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
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									
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2677	2677	2677
5°	2687	2683	2684
10°	2706	2698	2696
15°	2735	2721	2712
20°	2769	2746	2727
25°	2803	2771	2743
30°	2825	2793	2754
35°	2834	2806	2759
40°	2804	2793	2748
45°	2718	2743	2713
50°	2613	2632	2641
55°	2500	2481	2518
60°	2338	2301	2330
65°	2104	2062	2061
70°	1792	1751	1710
75°	1410	1379	1323
80°	1009	979	924
85°	597	588	546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	3.3
10°-20°	552.3	9.7
20°-30°	860.9	15.1
30°-40°	1065.4	18.7
40°-50°	1104.4	19.3
50°-60°	950.9	16.7
60°-70°	645.2	11.3
70°-80°	287.9	5.0
80°-90°	51.8	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°	1602.6	28.1
0°-40°	2667.9	46.7
0°-60°	4723.2	82.7
0°-90°	5708.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5708.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1990	1990	1990	1990	1990	
5°	1990	1987	1986	1986	1987	190
15°	1963	1958	1953	1949	1947	555
25°	1888	1881	1867	1853	1848	870
35°	1726	1721	1708	1690	1680	1077
45°	1429	1435	1442	1436	1426	1101
55°	1066	1066	1058	1070	1073	950
65°	661	664	648	641	647	654
75°	271	274	265	259	254	295
85°	39	39	38	38	35	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1989.8	1989.8	1989.8	1989.8	1989.8
2.5°	1992.5	1988.1	1988.7	1989.2	1991.4
5°	1989.8	1987.0	1986.5	1986.5	1987.0
7.5°	1986.5	1983.2	1982.7	1982.1	1982.1
10°	1980.5	1977.2	1975.1	1974.0	1973.4
12.5°	1972.3	1968.5	1965.8	1963.6	1962.0
15°	1963.1	1957.6	1953.3	1948.9	1947.3
17.5°	1950.0	1945.1	1937.5	1930.4	1927.7
20°	1933.6	1928.7	1917.8	1908.0	1904.2
22.5°	1914.6	1907.5	1893.9	1883.0	1877.5
25°	1887.9	1880.8	1866.6	1853.0	1847.6
27.5°	1856.8	1850.3	1835.0	1818.7	1812.1
30°	1818.1	1813.8	1797.4	1779.5	1772.4
32.5°	1775.1	1770.7	1756.6	1736.4	1728.2
35°	1725.5	1720.6	1708.1	1689.6	1679.8
37.5°	1666.7	1665.0	1653.1	1634.0	1624.7
40°	1596.4	1599.7	1590.4	1574.1	1564.8
42.5°	1516.3	1523.4	1523.4	1508.1	1498.9
45°	1428.6	1435.1	1441.7	1436.2	1425.9
47.5°	1338.7	1345.8	1353.4	1355.6	1346.9
50°	1248.2	1252.6	1257.5	1267.3	1261.9
52.5°	1158.3	1160.0	1158.3	1171.4	1170.3
55°	1065.7	1066.3	1057.5	1069.5	1073.3
57.5°	969.3	970.9	956.7	963.3	971.5
60°	869.0	870.7	854.9	855.9	865.8
62.5°	765.5	767.7	751.9	748.1	756.8
65°	660.9	663.6	647.8	640.7	647.3
67.5°	556.8	560.1	545.4	536.7	538.3
70°	455.5	458.2	445.1	437.0	434.8
72.5°	359.1	361.8	351.4	343.3	339.4
75°	271.3	273.5	265.3	259.3	254.4
77.5°	195.1	196.7	190.2	185.8	180.9
80°	130.2	130.8	126.4	123.7	119.3
82.5°	77.9	78.5	75.7	74.6	71.4
85°	38.7	39.2	38.1	38.1	35.4
87.5°	13.6	13.1	13.6	13.6	12.0
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)