

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: P506019

Luminaire Tested: **14PD-55-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-55-PW1-L850
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

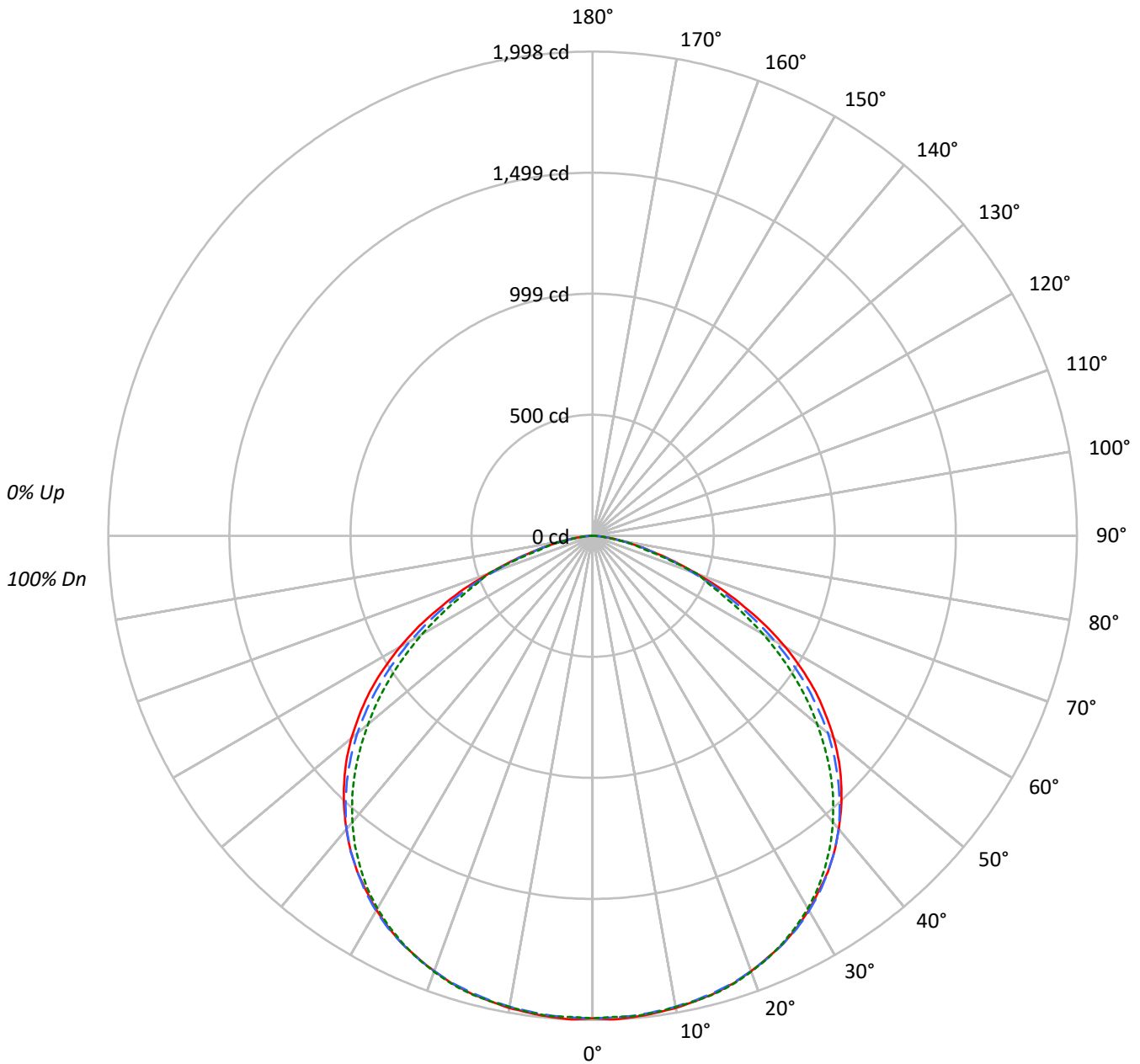
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5670.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.1
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	97	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	77	83	79	76	80	77	74	72			
3	91	81	73	67	89	79	72	66	77	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	49	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	34	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	54	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°	5357	5357	5357
5°	5384	5369	5375
10°	5406	5391	5394
15°	5443	5431	5449
20°	5476	5472	5482
25°	5517	5517	5507
30°	5543	5553	5518
35°	5561	5561	5490
40°	5551	5547	5416
45°	5521	5456	5281
50°	5437	5305	5065
55°	5270	5048	4773
60°	4936	4664	4373
65°	4371	4120	3848
70°	3569	3409	3595
75°	2692	2644	2376
80°	1936	1813	1813
85°	1216	1145	1007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	3.3
10°-20°	551.1	9.7
20°-30°	855.5	15.1
30°-40°	1053.7	18.6
40°-50°	1097.0	19.3
50°-60°	954.0	16.8
60°-70°	640.9	11.3
70°-80°	277.4	4.9
80°-90°	50.9	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°	1596.0	28.1
0°-40°	2649.7	46.7
0°-60°	4700.7	82.9
0°-90°	5670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5670.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1991	1991	1991	1991	1991	
5°	1993	1981	1988	1992	1990	190
15°	1954	1940	1949	1956	1956	552
25°	1858	1849	1858	1858	1855	856
35°	1693	1688	1693	1678	1671	1058
45°	1451	1446	1434	1401	1388	1117
55°	1123	1103	1076	1033	1017	998
65°	686	674	647	617	604	680
75°	259	261	254	260	228	285
85°	39	40	37	33	33	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1990.9	1990.9	1990.9	1990.9	1990.9
2.5°	1997.7	1985.3	1989.8	1996.5	1987.5
5°	1993.2	1980.8	1987.5	1992.0	1989.8
7.5°	1986.4	1977.4	1980.8	1985.3	1984.2
10°	1978.5	1969.5	1972.9	1977.4	1974.0
12.5°	1966.1	1956.0	1962.8	1967.3	1966.1
15°	1953.8	1940.3	1949.3	1956.0	1956.0
17.5°	1935.8	1924.5	1933.5	1939.1	1938.0
20°	1912.1	1904.2	1911.0	1915.5	1914.4
22.5°	1885.1	1879.5	1887.4	1887.4	1887.4
25°	1858.1	1849.1	1858.1	1858.1	1854.7
27.5°	1823.2	1815.3	1826.6	1823.2	1817.6
30°	1783.8	1779.3	1787.2	1781.6	1775.9
32.5°	1737.7	1735.4	1743.3	1732.1	1727.6
35°	1692.7	1688.2	1692.7	1678.0	1671.3
37.5°	1639.8	1635.3	1639.8	1620.6	1610.5
40°	1580.1	1576.7	1579.0	1554.2	1541.9
42.5°	1518.2	1514.8	1509.2	1478.8	1468.7
45°	1450.7	1446.2	1433.8	1401.2	1387.7
47.5°	1378.7	1370.8	1352.8	1317.9	1299.9
50°	1298.8	1287.5	1267.2	1229.0	1209.8
52.5°	1212.1	1198.6	1172.7	1134.4	1116.4
55°	1123.2	1102.9	1075.9	1033.2	1017.4
57.5°	1021.9	1000.5	972.4	933.0	915.0
60°	917.2	895.9	866.6	830.6	812.6
62.5°	805.8	786.7	757.4	723.7	707.9
65°	686.5	674.1	647.1	616.7	604.4
67.5°	574.0	561.6	539.1	513.2	517.7
70°	453.6	452.4	433.3	415.3	456.9
72.5°	353.4	351.1	341.0	332.0	329.8
75°	258.9	261.1	254.3	260.0	228.5
77.5°	182.3	184.6	183.4	167.7	175.6
80°	124.9	124.9	117.0	111.4	117.0
82.5°	75.4	90.0	81.0	66.4	64.2
85°	39.4	40.5	37.1	32.6	32.6
87.5°	14.6	16.9	14.6	13.5	12.4
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)