

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: P506719

Luminaire Tested: **24PD-55-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PW1-L835
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI, 3500K LEDS
Light Source: -
Ballast/Driver: -

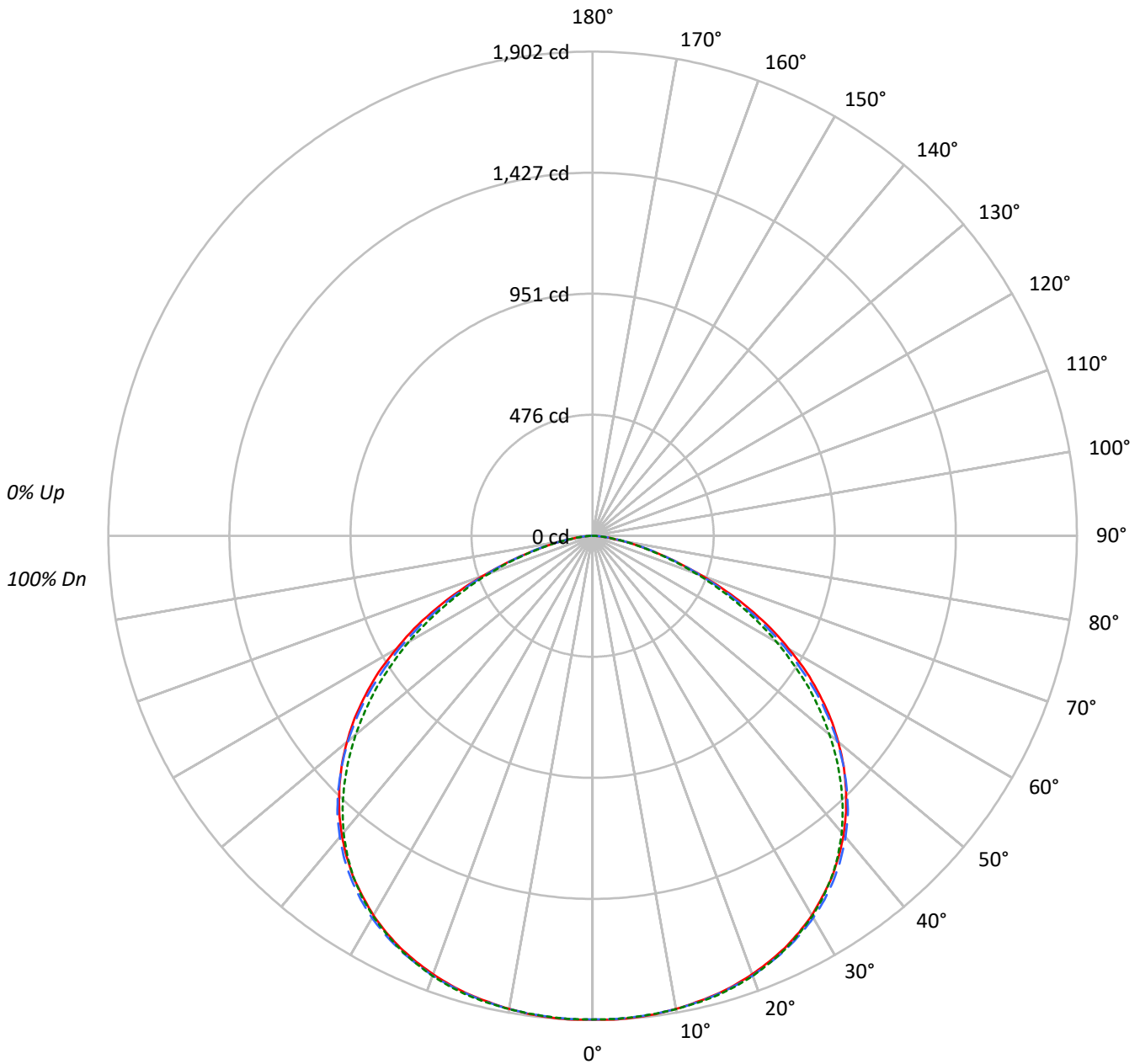
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5572.5 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
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	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2557	2557	2557
5°	2566	2563	2563
10°	2579	2579	2580
15°	2600	2602	2607
20°	2624	2633	2634
25°	2652	2664	2660
30°	2675	2693	2680
35°	2691	2712	2688
40°	2694	2714	2673
45°	2678	2688	2624
50°	2636	2624	2542
55°	2552	2511	2422
60°	2397	2336	2244
65°	2162	2082	1998
70°	1782	1755	1690
75°	1363	1376	1321
80°	945	974	954
85°	565	590	573



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	3.2
10°-20°	528.3	9.5
20°-30°	826.2	14.8
30°-40°	1027.7	18.4
40°-50°	1080.0	19.4
50°-60°	948.0	17.0
60°-70°	645.5	11.6
70°-80°	284.8	5.1
80°-90°	51.3	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°	1535.3	27.6
0°-40°	2563.0	46.0
0°-60°	4591.0	82.4
0°-90°	5572.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5572.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1900	1900	1900	1900	1900	
5°	1900	1899	1898	1896	1898	181
15°	1866	1868	1868	1868	1872	528
25°	1786	1791	1794	1793	1792	824
35°	1638	1646	1651	1643	1637	1024
45°	1407	1416	1413	1389	1379	1084
55°	1088	1084	1071	1042	1032	970
65°	679	663	654	640	628	669
75°	262	264	265	260	254	287
85°	37	38	38	38	37	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1900.3	1900.3	1900.3	1900.3	1900.3
2.5°	1902.4	1901.3	1900.3	1898.7	1900.3
5°	1899.7	1899.2	1897.6	1895.5	1897.6
7.5°	1895.5	1895.5	1893.9	1892.3	1893.4
10°	1887.5	1889.1	1887.5	1885.9	1888.1
12.5°	1876.9	1879.6	1879.1	1879.1	1880.6
15°	1866.3	1868.4	1867.9	1867.9	1871.6
17.5°	1851.5	1854.1	1854.6	1855.7	1857.8
20°	1832.9	1836.6	1838.7	1838.2	1839.8
22.5°	1811.1	1815.4	1817.0	1818.0	1817.0
25°	1786.2	1791.0	1794.2	1793.1	1791.5
27.5°	1756.0	1761.3	1765.5	1762.9	1759.7
30°	1722.0	1726.8	1733.2	1728.4	1725.2
32.5°	1680.1	1689.1	1695.0	1689.1	1684.4
35°	1638.2	1645.6	1650.9	1643.0	1636.6
37.5°	1587.3	1596.3	1601.1	1589.9	1583.0
40°	1533.7	1542.7	1545.4	1531.0	1522.0
42.5°	1472.7	1482.8	1483.8	1463.7	1453.6
45°	1407.4	1416.4	1412.7	1389.4	1378.8
47.5°	1336.9	1343.2	1335.3	1311.4	1299.7
50°	1259.4	1263.1	1253.6	1225.5	1214.3
52.5°	1177.7	1177.2	1165.0	1136.9	1124.7
55°	1088.1	1083.8	1070.6	1042.4	1032.4
57.5°	996.3	983.0	968.7	944.8	931.6
60°	890.7	880.6	867.9	844.0	834.0
62.5°	791.0	772.9	762.3	741.1	732.1
65°	679.0	662.6	654.1	639.8	627.6
67.5°	566.6	553.8	548.0	537.9	526.8
70°	453.1	449.3	446.2	436.6	429.7
72.5°	352.8	351.7	351.2	345.9	339.0
75°	262.1	263.7	264.7	259.9	254.1
77.5°	186.7	189.4	188.9	186.2	184.6
80°	122.0	124.1	125.7	123.1	123.1
82.5°	73.7	75.9	75.3	76.4	74.3
85°	36.6	38.2	38.2	37.7	37.1
87.5°	13.3	13.8	13.3	13.8	13.3
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)