

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: P506369

Luminaire Tested: **22PD-55-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-55-PW1-L840
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

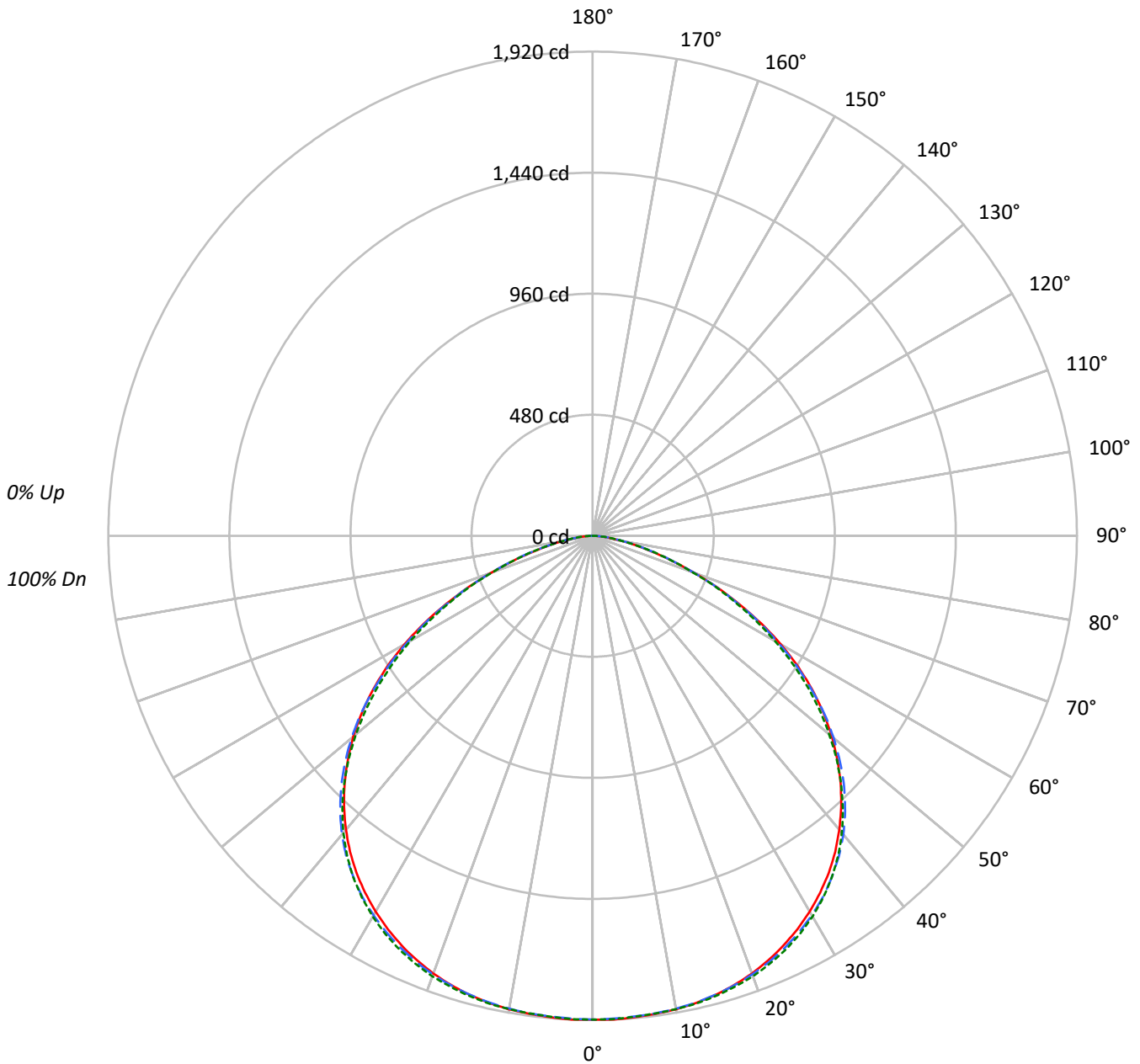
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5545.4 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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	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	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	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°	5162	5162	5162
5°	5177	5169	5171
10°	5210	5203	5208
15°	5251	5249	5264
20°	5290	5301	5323
25°	5322	5352	5377
30°	5347	5399	5418
35°	5361	5431	5433
40°	5344	5431	5400
45°	5292	5367	5302
50°	5184	5221	5126
55°	4982	4960	4867
60°	4638	4587	4491
65°	4090	4052	3973
70°	3350	3366	3296
75°	2538	2623	2602
80°	1838	1912	1881
85°	1207	1250	1334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	3.3
10°-20°	532.8	9.6
20°-30°	830.7	15.0
30°-40°	1029.6	18.6
40°-50°	1077.3	19.4
50°-60°	938.8	16.9
60°-70°	628.9	11.3
70°-80°	272.6	4.9
80°-90°	52.5	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°	1545.9	27.9
0°-40°	2575.4	46.4
0°-60°	4591.5	82.8
0°-90°	5545.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5545.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1918	1918	1918	1918	1918	
5°	1916	1914	1914	1913	1914	183
15°	1885	1882	1884	1886	1890	533
25°	1792	1793	1802	1808	1811	826
35°	1632	1638	1653	1655	1654	1020
45°	1390	1398	1410	1399	1393	1071
55°	1062	1061	1057	1046	1037	946
65°	642	639	636	630	624	635
75°	244	248	252	250	250	269
85°	39	42	40	41	43	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1918.4	1918.4	1918.4	1918.4	1918.4
2.5°	1920.5	1917.0	1916.4	1916.4	1918.4
5°	1916.4	1914.3	1913.6	1912.9	1914.3
7.5°	1912.2	1909.5	1910.2	1908.8	1910.2
10°	1906.8	1904.0	1904.0	1904.0	1906.1
12.5°	1897.2	1895.1	1895.8	1897.2	1899.9
15°	1884.8	1882.1	1884.1	1886.2	1889.6
17.5°	1867.7	1865.6	1869.0	1872.5	1875.2
20°	1847.1	1845.0	1851.2	1856.0	1858.8
22.5°	1821.7	1821.0	1829.3	1834.8	1836.8
25°	1792.3	1792.9	1802.5	1808.0	1810.8
27.5°	1758.7	1760.0	1772.4	1777.2	1779.9
30°	1720.9	1724.4	1737.4	1741.5	1743.6
32.5°	1678.4	1683.2	1699.0	1701.7	1701.7
35°	1631.8	1638.0	1653.1	1655.1	1653.8
37.5°	1579.7	1586.6	1603.7	1601.0	1598.9
40°	1521.4	1529.0	1546.1	1540.6	1537.2
42.5°	1459.0	1466.6	1481.7	1473.4	1468.6
45°	1390.5	1398.0	1410.4	1398.7	1393.2
47.5°	1316.4	1325.3	1331.5	1318.5	1311.6
50°	1238.3	1241.0	1247.2	1232.1	1224.5
52.5°	1153.2	1153.2	1158.0	1141.6	1132.7
55°	1062.0	1061.4	1057.2	1045.6	1037.4
57.5°	965.4	961.3	958.5	946.2	936.6
60°	861.8	855.7	852.2	842.0	834.4
62.5°	753.5	750.1	746.0	737.7	729.5
65°	642.4	639.0	636.3	630.1	623.9
67.5°	532.1	530.0	530.0	525.9	525.2
70°	425.8	427.2	427.8	427.8	418.9
72.5°	329.8	330.5	333.9	331.2	330.5
75°	244.1	248.2	252.3	250.3	250.3
77.5°	175.5	181.7	181.7	180.3	178.3
80°	118.6	121.4	123.4	122.7	121.4
82.5°	75.4	77.5	75.4	76.8	77.5
85°	39.1	41.8	40.5	41.1	43.2
87.5°	13.0	14.4	15.1	14.4	14.4
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)