

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: P506367

Luminaire Tested: **22PD-55-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506367
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-L830
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

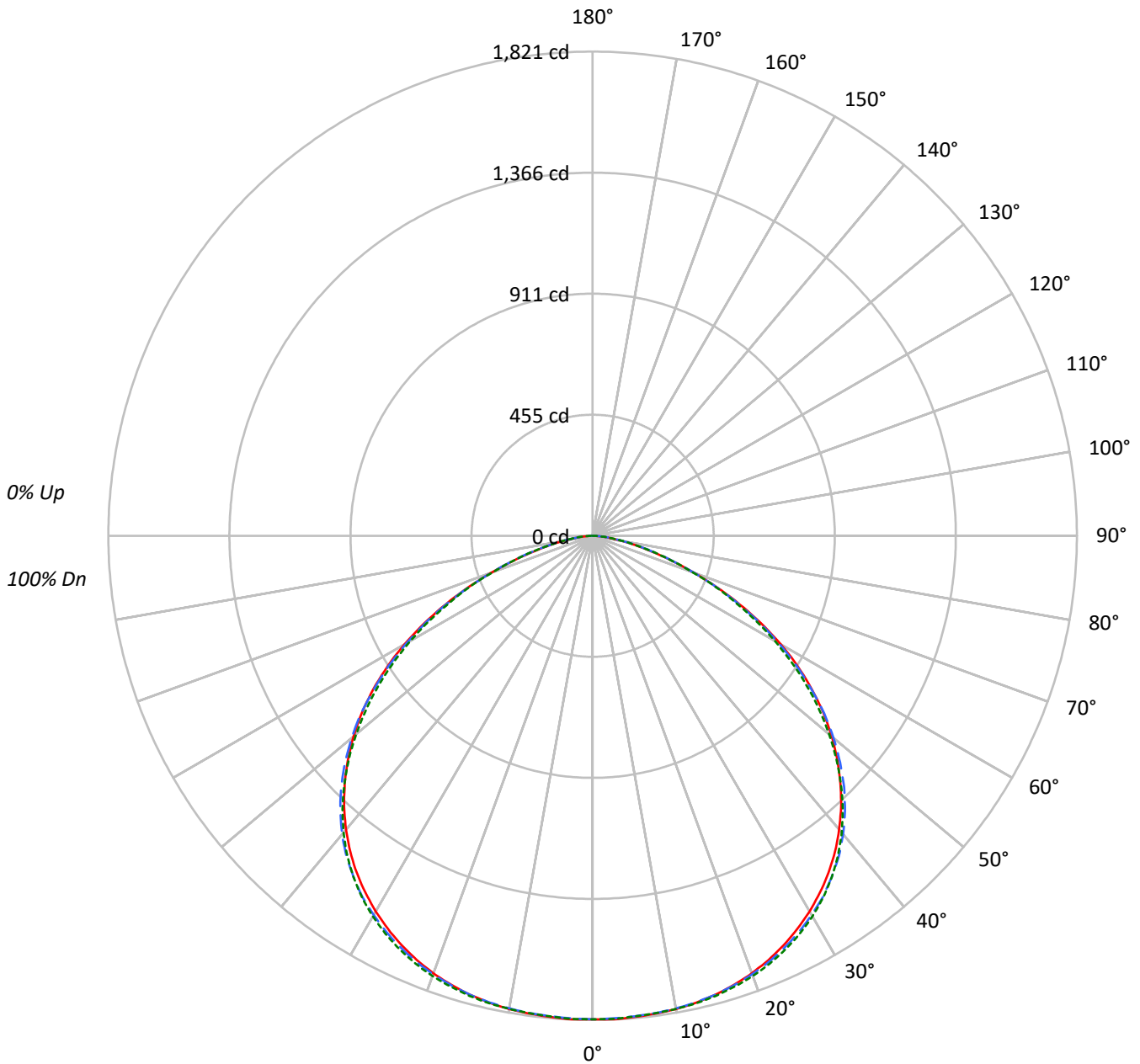
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5256.9 lumens
Efficiency: N/A
Efficacy: 115.8 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°	4894	4894	4894
5°	4907	4900	4902
10°	4939	4932	4937
15°	4978	4976	4990
20°	5014	5025	5046
25°	5045	5074	5097
30°	5069	5118	5136
35°	5082	5148	5150
40°	5067	5149	5119
45°	5016	5088	5026
50°	4914	4950	4860
55°	4723	4702	4614
60°	4397	4348	4257
65°	3878	3841	3766
70°	3175	3191	3124
75°	2406	2487	2466
80°	1742	1813	1782
85°	1142	1183	1263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.9	3.3
10°-20°	505.1	9.6
20°-30°	787.5	15.0
30°-40°	976.0	18.6
40°-50°	1021.3	19.4
50°-60°	890.0	16.9
60°-70°	596.2	11.3
70°-80°	258.4	4.9
80°-90°	49.7	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°	1465.5	27.9
0°-40°	2441.5	46.4
0°-60°	4352.7	82.8
0°-90°	5256.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5256.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1819	1819	1819	1819	1819	
5°	1817	1815	1814	1813	1815	173
15°	1787	1784	1786	1788	1791	505
25°	1699	1700	1709	1714	1717	783
35°	1547	1553	1567	1569	1568	967
45°	1318	1325	1337	1326	1321	1015
55°	1007	1006	1002	991	983	897
65°	609	606	603	597	592	602
75°	231	235	239	237	237	255
85°	37	40	38	39	41	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1818.6	1818.6	1818.6	1818.6	1818.6
2.5°	1820.6	1817.3	1816.7	1816.7	1818.6
5°	1816.7	1814.7	1814.1	1813.4	1814.7
7.5°	1812.8	1810.2	1810.8	1809.5	1810.8
10°	1807.6	1805.0	1805.0	1805.0	1806.9
12.5°	1798.5	1796.5	1797.2	1798.5	1801.1
15°	1786.8	1784.2	1786.1	1788.1	1791.3
17.5°	1770.5	1768.6	1771.8	1775.1	1777.7
20°	1751.0	1749.1	1754.9	1759.5	1762.1
22.5°	1727.0	1726.3	1734.1	1739.3	1741.3
25°	1699.0	1699.7	1708.8	1714.0	1716.6
27.5°	1667.2	1668.5	1680.2	1684.7	1687.3
30°	1631.4	1634.7	1647.0	1650.9	1652.9
32.5°	1591.1	1595.7	1610.6	1613.2	1613.2
35°	1546.9	1552.8	1567.1	1569.0	1567.7
37.5°	1497.5	1504.0	1520.3	1517.7	1515.7
40°	1442.3	1449.4	1465.7	1460.5	1457.2
42.5°	1383.1	1390.3	1404.6	1396.8	1392.2
45°	1318.1	1325.3	1337.0	1325.9	1320.7
47.5°	1248.0	1256.4	1262.2	1249.9	1243.4
50°	1173.9	1176.5	1182.3	1168.0	1160.9
52.5°	1093.3	1093.3	1097.8	1082.2	1073.8
55°	1006.8	1006.2	1002.3	991.2	983.4
57.5°	915.2	911.3	908.7	897.0	887.9
60°	817.0	811.2	807.9	798.2	791.0
62.5°	714.3	711.1	707.2	699.4	691.6
65°	609.0	605.8	603.2	597.3	591.5
67.5°	504.4	502.4	502.4	498.5	497.9
70°	403.6	404.9	405.6	405.6	397.1
72.5°	312.6	313.3	316.5	313.9	313.3
75°	231.4	235.3	239.2	237.2	237.2
77.5°	166.4	172.2	172.2	170.9	169.0
80°	112.4	115.0	117.0	116.3	115.0
82.5°	71.5	73.4	71.5	72.8	73.4
85°	37.0	39.6	38.3	39.0	40.9
87.5°	12.3	13.6	14.3	13.6	13.6
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)