

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: P506368

Luminaire Tested: **22PD-55-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506368
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-L835
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

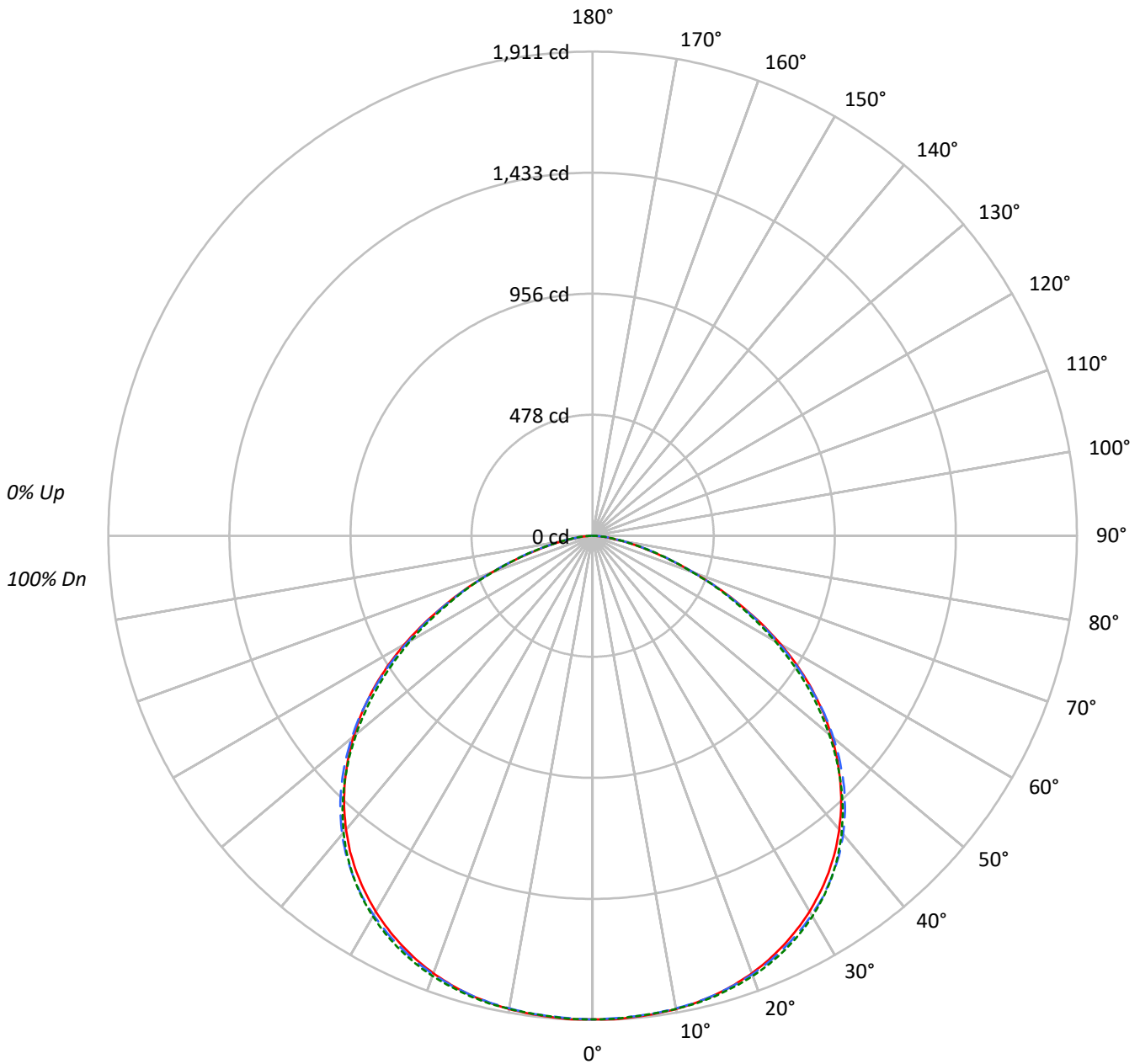
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5517.3 lumens
Efficiency: N/A
Efficacy: 121.5 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				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			100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52			52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45			45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39			39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35			35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31			31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5136	5136	5136
5°	5150	5143	5145
10°	5184	5176	5182
15°	5224	5222	5238
20°	5263	5274	5296
25°	5295	5325	5349
30°	5320	5371	5390
35°	5333	5403	5405
40°	5317	5404	5373
45°	5265	5340	5275
50°	5158	5195	5100
55°	4958	4935	4842
60°	4615	4563	4468
65°	4070	4031	3953
70°	3333	3349	3279
75°	2524	2610	2589
80°	1829	1903	1870
85°	1201	1241	1328



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.5	3.3
10°-20°	530.1	9.6
20°-30°	826.4	15.0
30°-40°	1024.3	18.6
40°-50°	1071.8	19.4
50°-60°	934.0	16.9
60°-70°	625.7	11.3
70°-80°	271.2	4.9
80°-90°	52.2	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°	1538.0	27.9
0°-40°	2562.3	46.4
0°-60°	4568.2	82.8
0°-90°	5517.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5517.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1907	1905	1904	1903	1905	182
15°	1875	1872	1875	1877	1880	530
25°	1783	1784	1793	1799	1802	822
35°	1624	1630	1645	1647	1645	1015
45°	1383	1391	1403	1392	1386	1065
55°	1057	1056	1052	1040	1032	941
65°	639	636	633	627	621	632
75°	243	247	251	249	249	268
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°	1908.7	1908.7	1908.7	1908.7	1908.7
2.5°	1910.7	1907.3	1906.6	1906.6	1908.7
5°	1906.6	1904.6	1903.9	1903.2	1904.6
7.5°	1902.5	1899.8	1900.5	1899.1	1900.5
10°	1897.1	1894.3	1894.3	1894.3	1896.4
12.5°	1887.5	1885.5	1886.2	1887.5	1890.3
15°	1875.2	1872.5	1874.6	1876.6	1880.0
17.5°	1858.2	1856.1	1859.6	1863.0	1865.7
20°	1837.7	1835.7	1841.8	1846.6	1849.3
22.5°	1812.5	1811.8	1820.0	1825.4	1827.5
25°	1783.2	1783.8	1793.4	1798.8	1801.6
27.5°	1749.7	1751.1	1763.4	1768.1	1770.9
30°	1712.2	1715.6	1728.6	1732.7	1734.7
32.5°	1669.9	1674.7	1690.4	1693.1	1693.1
35°	1623.5	1629.7	1644.7	1646.7	1645.4
37.5°	1571.7	1578.5	1595.6	1592.8	1590.8
40°	1513.7	1521.2	1538.3	1532.8	1529.4
42.5°	1451.6	1459.1	1474.1	1466.0	1461.2
45°	1383.4	1390.9	1403.2	1391.6	1386.1
47.5°	1309.7	1318.6	1324.7	1311.8	1305.0
50°	1232.0	1234.7	1240.8	1225.8	1218.3
52.5°	1147.4	1147.4	1152.2	1135.8	1126.9
55°	1056.7	1056.0	1051.9	1040.3	1032.1
57.5°	960.5	956.4	953.7	941.4	931.8
60°	857.5	851.3	847.9	837.7	830.2
62.5°	749.7	746.3	742.2	734.0	725.8
65°	639.2	635.8	633.0	626.9	620.8
67.5°	529.4	527.3	527.3	523.2	522.5
70°	423.6	425.0	425.7	425.7	416.8
72.5°	328.1	328.8	332.2	329.5	328.8
75°	242.8	246.9	251.0	249.0	249.0
77.5°	174.6	180.8	180.8	179.4	177.4
80°	118.0	120.7	122.8	122.1	120.7
82.5°	75.0	77.1	75.0	76.4	77.1
85°	38.9	41.6	40.2	40.9	43.0
87.5°	13.0	14.3	15.0	14.3	14.3
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)