

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: P506349

Luminaire Tested: **22PD-55-PL1-L830**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-55-PL1-L830
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

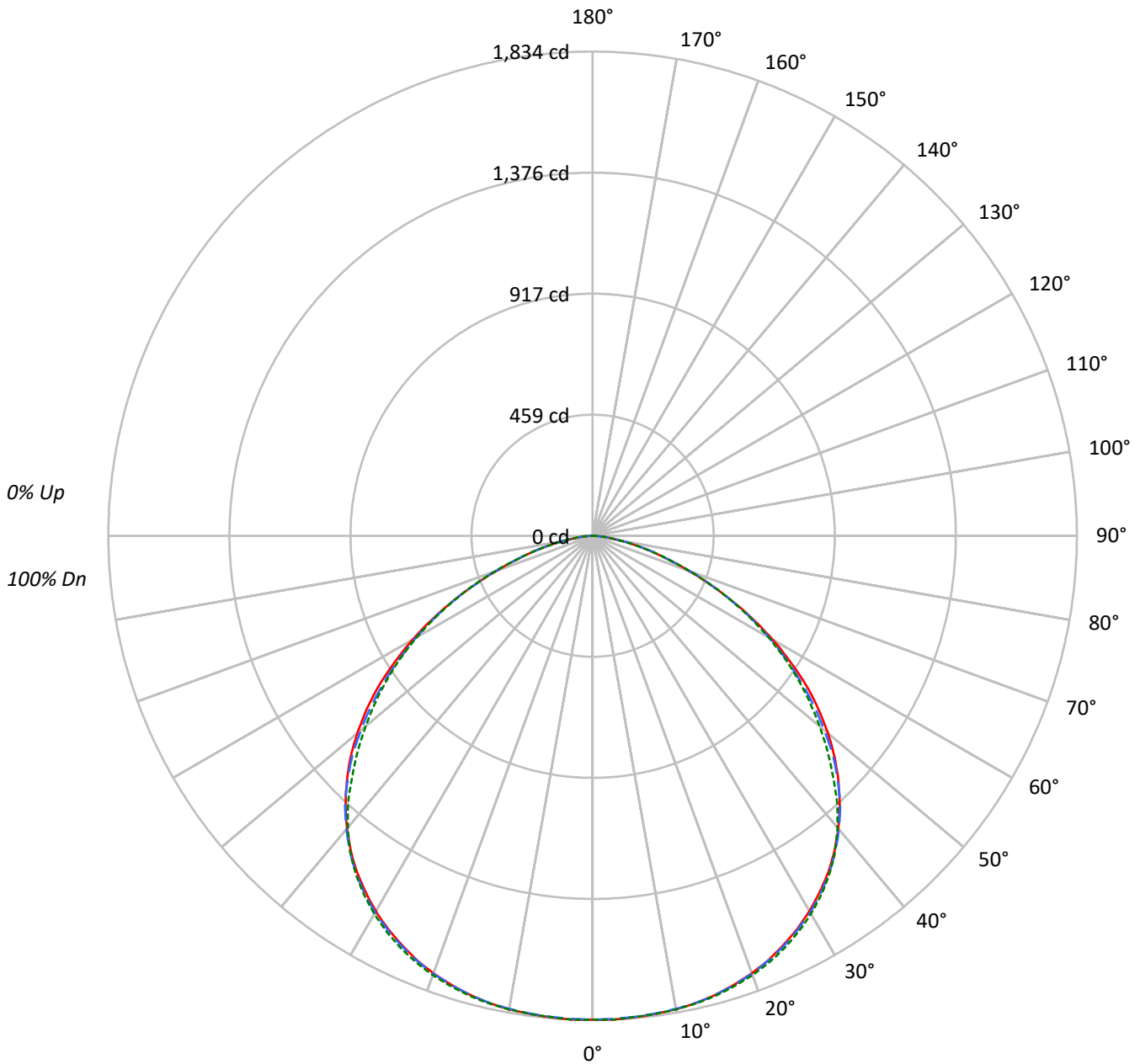
Lumens per Lamp: N/A
Luminaire Lumens: 5192.1 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P506349

CATALOG NUMBER: 22PD-55-PL1-L830

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	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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4933	4933	4933
5°	4946	4941	4943
10°	4977	4972	4977
15°	5013	5013	5024
20°	5050	5055	5072
25°	5077	5088	5113
30°	5102	5118	5138
35°	5110	5127	5138
40°	5083	5097	5065
45°	5011	4996	4896
50°	4869	4793	4696
55°	4633	4515	4464
60°	4242	4161	4137
65°	3699	3691	3678
70°	3032	3083	3072
75°	2403	2442	2403
80°	1760	1751	1740
85°	1176	1155	1235



TEST NUMBER: P506349

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.3	3.4
10°-20°	508.6	9.8
20°-30°	790.6	15.2
30°-40°	974.6	18.8
40°-50°	1006.7	19.4
50°-60°	861.4	16.6
60°-70°	574.9	11.1
70°-80°	252.3	4.9
80°-90°	48.8	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°	1473.5	28.4
0°-40°	2448.1	47.2
0°-60°	4316.1	83.1
0°-90°	5192.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5192.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1833	1833	1833	1833	1833	
5°	1831	1829	1829	1828	1830	174
15°	1800	1798	1800	1801	1803	508
25°	1710	1710	1714	1719	1722	789
35°	1556	1556	1561	1564	1564	972
45°	1317	1316	1313	1301	1286	1014
55°	988	975	962	957	951	878
65°	581	580	580	582	578	576
75°	231	229	235	234	231	251
85°	38	37	37	39	40	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1833.1	1833.1	1833.1	1833.1	1833.1
2.5°	1834.4	1831.8	1831.1	1831.1	1834.4
5°	1831.1	1828.6	1829.2	1827.9	1829.9
7.5°	1826.6	1824.0	1824.7	1824.0	1826.6
10°	1821.5	1818.9	1819.5	1818.9	1821.5
12.5°	1812.4	1810.5	1811.8	1812.4	1814.4
15°	1799.5	1797.6	1799.5	1800.8	1803.4
17.5°	1782.7	1781.4	1783.4	1785.3	1788.5
20°	1763.4	1762.1	1765.3	1767.2	1771.1
22.5°	1739.5	1738.2	1741.4	1745.9	1748.5
25°	1709.8	1709.8	1713.7	1718.8	1722.1
27.5°	1678.2	1677.5	1682.0	1687.2	1690.4
30°	1642.0	1640.7	1647.2	1651.7	1653.6
32.5°	1600.1	1600.7	1606.5	1611.0	1611.7
35°	1555.5	1555.5	1560.7	1563.9	1563.9
37.5°	1504.5	1503.9	1509.1	1510.4	1508.4
40°	1447.1	1447.7	1451.0	1450.3	1441.9
42.5°	1385.1	1385.8	1388.4	1379.3	1370.9
45°	1316.7	1316.1	1312.8	1300.6	1286.4
47.5°	1243.8	1240.6	1235.4	1216.7	1206.3
50°	1163.1	1157.9	1145.0	1130.2	1121.8
52.5°	1077.9	1068.9	1056.0	1044.3	1037.2
55°	987.5	975.3	962.4	957.2	951.4
57.5°	886.8	879.1	868.1	865.5	861.7
60°	788.1	779.7	773.2	773.2	768.7
62.5°	684.8	679.7	677.1	678.4	673.9
65°	580.9	579.6	579.6	581.6	577.7
67.5°	480.2	482.8	482.2	488.6	483.4
70°	385.3	389.9	391.8	398.2	390.5
72.5°	303.4	304.0	306.6	308.5	304.7
75°	231.1	229.1	234.9	233.7	231.1
77.5°	167.2	165.9	167.8	169.1	165.9
80°	113.6	112.3	113.0	114.9	112.3
82.5°	71.6	70.4	70.4	72.3	71.6
85°	38.1	37.4	37.4	38.7	40.0
87.5°	13.6	12.9	13.6	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)