

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: P506350

Luminaire Tested: **22PD-55-PL1-L835**

Issue Date: 3/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P506350  
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-L835  
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

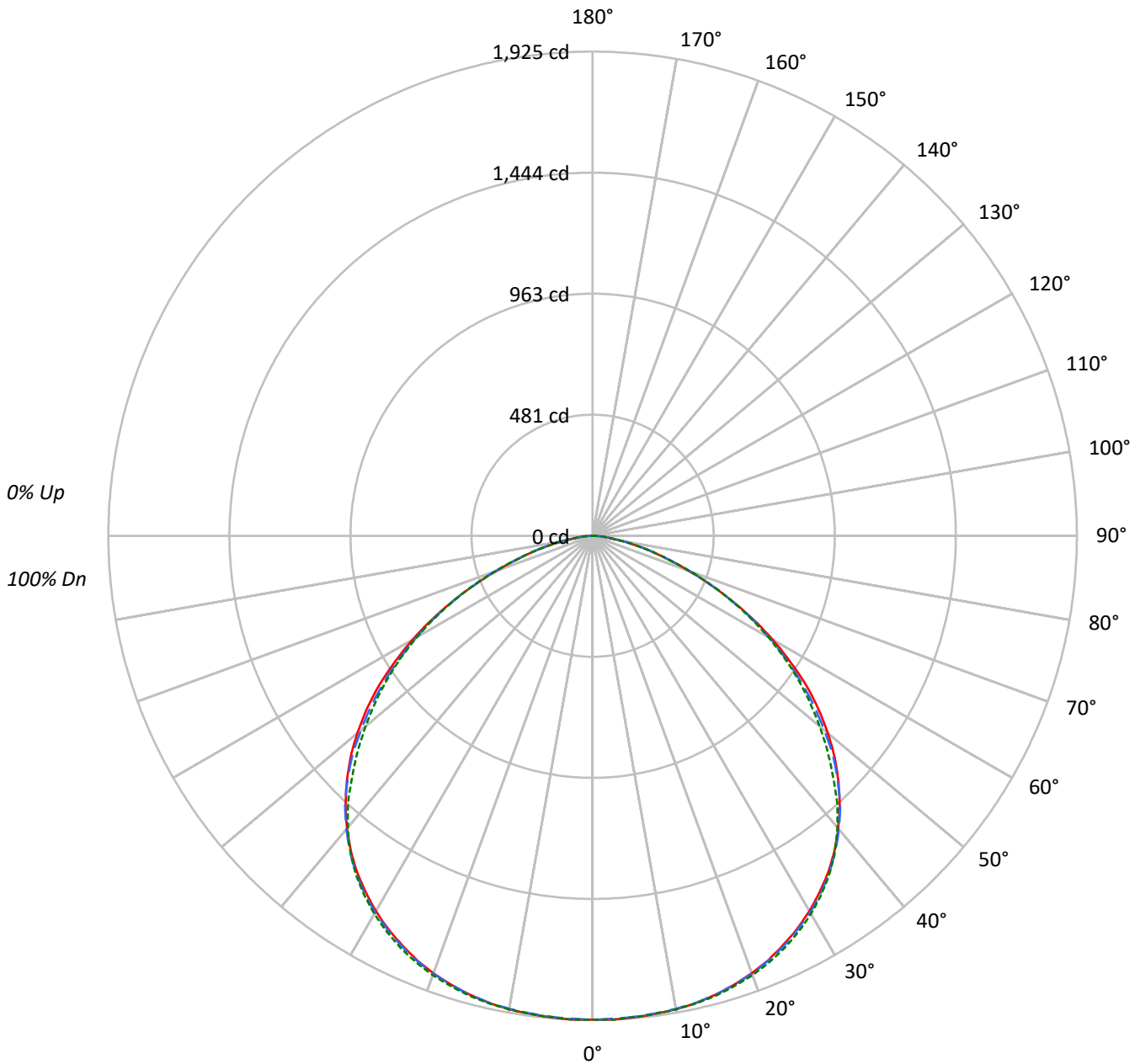
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5449.2 lumens  
Efficiency: N/A  
Efficacy: 120.0 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<sub>in</sub>): 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	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	64	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°	5177	5177	5177
5°	5191	5186	5188
10°	5223	5218	5223
15°	5261	5261	5273
20°	5300	5306	5323
25°	5328	5340	5366
30°	5355	5372	5393
35°	5363	5381	5392
40°	5335	5349	5316
45°	5259	5243	5138
50°	5110	5031	4929
55°	4862	4738	4685
60°	4451	4367	4342
65°	3882	3873	3861
70°	3182	3235	3224
75°	2521	2564	2521
80°	1847	1836	1827
85°	1235	1213	1297



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.9	3.4
10°-20°	533.8	9.8
20°-30°	829.7	15.2
30°-40°	1022.9	18.8
40°-50°	1056.5	19.4
50°-60°	904.0	16.6
60°-70°	603.4	11.1
70°-80°	264.8	4.9
80°-90°	51.2	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°	1546.4	28.4
0°-40°	2569.3	47.2
0°-60°	4529.9	83.1
0°-90°	5449.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5449.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1924	1924	1924	1924	1924	
5°	1922	1919	1920	1918	1920	183
15°	1889	1887	1889	1890	1893	534
25°	1794	1794	1798	1804	1807	828
35°	1633	1633	1638	1641	1641	1020
45°	1382	1381	1378	1365	1350	1064
55°	1036	1024	1010	1005	998	921
65°	610	608	608	610	606	605
75°	242	240	247	245	242	263
85°	40	39	39	41	42	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1923.8	1923.8	1923.8	1923.8	1923.8
2.5°	1925.2	1922.5	1921.8	1921.8	1925.2
5°	1921.8	1919.1	1919.8	1918.4	1920.5
7.5°	1917.1	1914.4	1915.0	1914.4	1917.1
10°	1911.6	1908.9	1909.6	1908.9	1911.6
12.5°	1902.2	1900.1	1901.5	1902.2	1904.2
15°	1888.6	1886.6	1888.6	1890.0	1892.7
17.5°	1871.0	1869.6	1871.7	1873.7	1877.1
20°	1850.7	1849.3	1852.7	1854.7	1858.8
22.5°	1825.6	1824.3	1827.6	1832.4	1835.1
25°	1794.5	1794.5	1798.5	1803.9	1807.3
27.5°	1761.3	1760.6	1765.3	1770.7	1774.1
30°	1723.3	1722.0	1728.7	1733.5	1735.5
32.5°	1679.3	1680.0	1686.1	1690.8	1691.5
35°	1632.6	1632.6	1638.0	1641.4	1641.4
37.5°	1579.0	1578.4	1583.8	1585.1	1583.1
40°	1518.7	1519.4	1522.8	1522.1	1513.3
42.5°	1453.7	1454.4	1457.1	1447.6	1438.8
45°	1381.9	1381.2	1377.8	1365.0	1350.1
47.5°	1305.4	1302.0	1296.6	1276.9	1266.1
50°	1220.7	1215.3	1201.7	1186.1	1177.3
52.5°	1131.3	1121.8	1108.2	1096.0	1088.6
55°	1036.4	1023.6	1010.0	1004.6	998.5
57.5°	930.8	922.6	911.1	908.4	904.3
60°	827.1	818.3	811.5	811.5	806.8
62.5°	718.7	713.3	710.6	712.0	707.2
65°	609.7	608.3	608.3	610.3	606.3
67.5°	504.0	506.7	506.0	512.8	507.4
70°	404.4	409.2	411.2	418.0	409.8
72.5°	318.4	319.1	321.8	323.8	319.7
75°	242.5	240.5	246.6	245.2	242.5
77.5°	175.4	174.1	176.1	177.5	174.1
80°	119.2	117.9	118.5	120.6	117.9
82.5°	75.2	73.8	73.8	75.9	75.2
85°	40.0	39.3	39.3	40.6	42.0
87.5°	14.2	13.5	14.2	14.2	14.2
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)