

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: P506724

Luminaire Tested: **24PD-55-PW1-L935**

Issue Date: 3/26/2021



**Test Information**

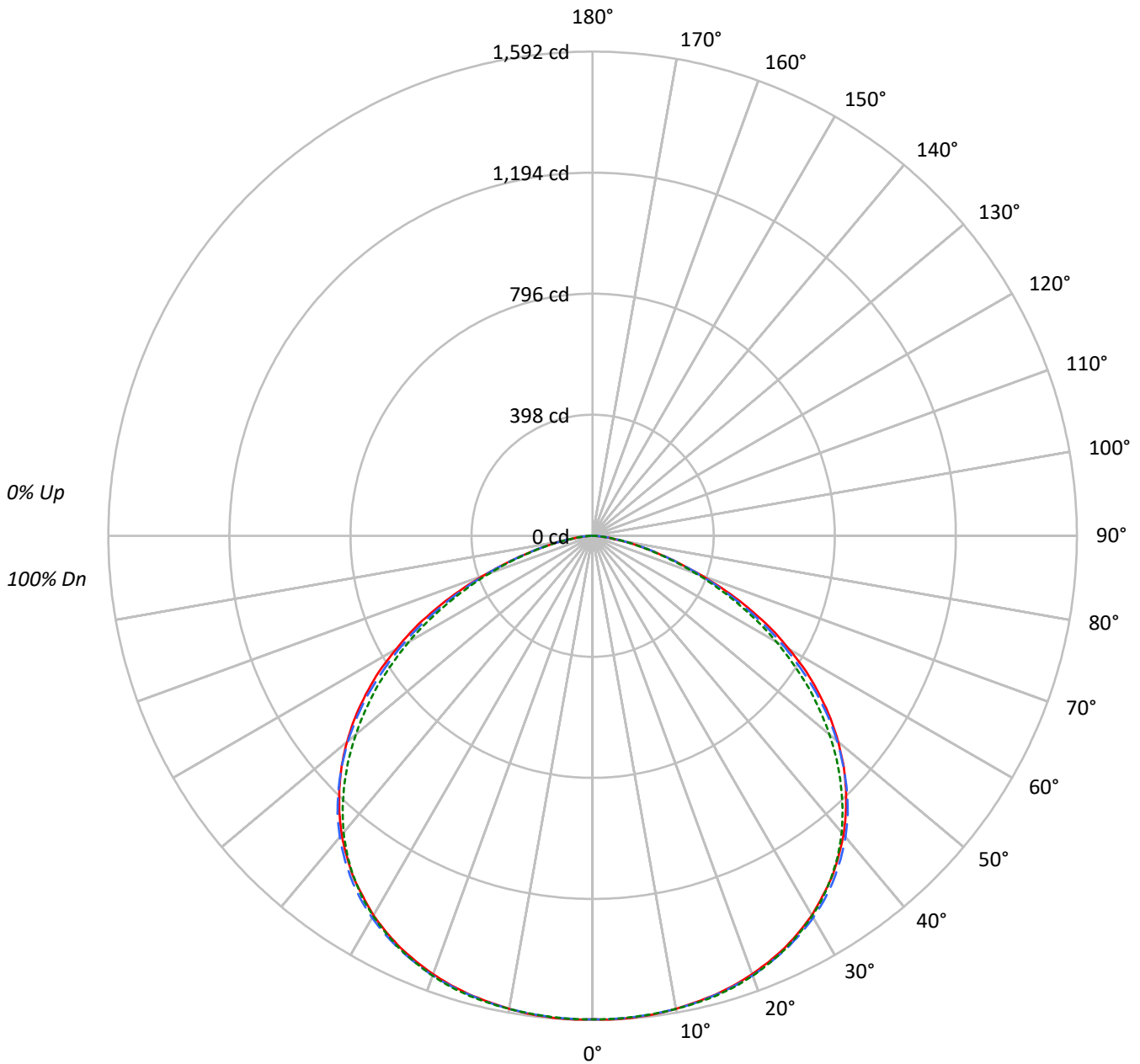
Test Method: LM-79-08  
Report Number: P506724  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-55-PW1-L935  
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4663.1 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41.2  
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					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	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	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52					52			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45					45			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39					39			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30					30			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27					27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25					25			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2139	2139	2139
5°	2147	2145	2145
10°	2158	2158	2159
15°	2175	2177	2182
20°	2196	2203	2204
25°	2219	2229	2226
30°	2239	2253	2243
35°	2252	2269	2249
40°	2254	2271	2237
45°	2241	2250	2195
50°	2206	2196	2127
55°	2136	2101	2027
60°	2006	1954	1878
65°	1809	1743	1672
70°	1491	1469	1415
75°	1140	1151	1105
80°	791	815	798
85°	472	494	480



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.3	3.2
10°-20°	442.1	9.5
20°-30°	691.3	14.8
30°-40°	860.0	18.4
40°-50°	903.7	19.4
50°-60°	793.3	17.0
60°-70°	540.2	11.6
70°-80°	238.3	5.1
80°-90°	42.9	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°	1284.7	27.6
0°-40°	2144.7	46.0
0°-60°	3841.7	82.4
0°-90°	4663.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4663.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1590	1590	1590	1590	1590	
5°	1590	1589	1588	1586	1588	151
15°	1562	1564	1563	1563	1566	441
25°	1495	1499	1501	1500	1499	689
35°	1371	1377	1382	1375	1370	857
45°	1178	1185	1182	1163	1154	907
55°	910	907	896	872	864	811
65°	568	554	547	535	525	560
75°	219	221	222	218	213	240
85°	31	32	32	32	31	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1590.1	1590.1	1590.1	1590.1	1590.1
2.5°	1591.9	1591.0	1590.1	1588.8	1590.1
5°	1589.7	1589.2	1587.9	1586.1	1587.9
7.5°	1586.1	1586.1	1584.8	1583.5	1584.4
10°	1579.5	1580.8	1579.5	1578.1	1579.9
12.5°	1570.6	1572.8	1572.4	1572.4	1573.7
15°	1561.7	1563.5	1563.0	1563.0	1566.2
17.5°	1549.3	1551.5	1551.9	1552.8	1554.6
20°	1533.7	1536.9	1538.6	1538.2	1539.5
22.5°	1515.5	1519.1	1520.4	1521.3	1520.4
25°	1494.7	1498.7	1501.3	1500.5	1499.1
27.5°	1469.4	1473.8	1477.4	1475.2	1472.5
30°	1441.0	1445.0	1450.3	1446.3	1443.6
32.5°	1405.9	1413.4	1418.3	1413.4	1409.5
35°	1370.8	1377.0	1381.5	1374.8	1369.5
37.5°	1328.2	1335.8	1339.8	1330.4	1324.7
40°	1283.4	1290.9	1293.1	1281.2	1273.6
42.5°	1232.3	1240.8	1241.6	1224.8	1216.3
45°	1177.7	1185.3	1182.2	1162.6	1153.8
47.5°	1118.7	1124.0	1117.4	1097.4	1087.6
50°	1053.9	1057.0	1049.0	1025.5	1016.1
52.5°	985.5	985.1	974.9	951.3	941.1
55°	910.5	906.9	895.8	872.3	863.9
57.5°	833.7	822.6	810.6	790.6	779.5
60°	745.3	736.9	726.3	706.3	697.8
62.5°	661.9	646.8	637.9	620.2	612.6
65°	568.2	554.5	547.4	535.4	525.2
67.5°	474.1	463.5	458.6	450.1	440.8
70°	379.1	376.0	373.3	365.3	359.6
72.5°	295.2	294.3	293.9	289.4	283.7
75°	219.3	220.6	221.5	217.5	212.6
77.5°	156.3	158.5	158.0	155.8	154.5
80°	102.1	103.9	105.2	103.0	103.0
82.5°	61.7	63.5	63.0	63.9	62.1
85°	30.6	32.0	32.0	31.5	31.1
87.5°	11.1	11.5	11.1	11.5	11.1
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)