

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: P506726

Luminaire Tested: **24PD-55-PW1-L950**

Issue Date: 3/26/2021



**Test Information**

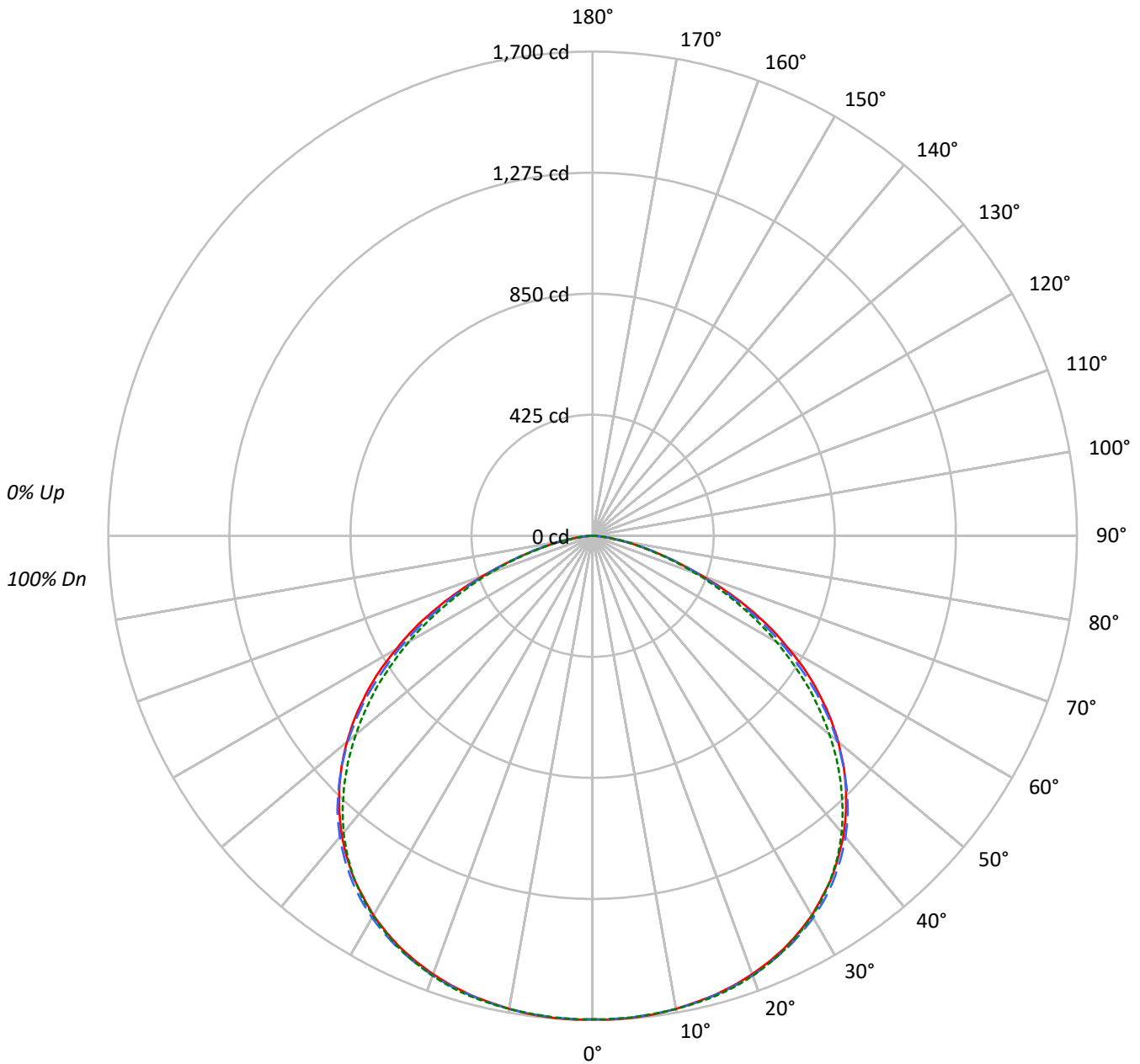
Test Method: LM-79-08  
Report Number: P506726  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-55-PW1-L950  
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4979.6 lumens  
Efficiency: N/A  
Efficacy: 120.9 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

TEST NUMBER: P506726  
CATALOG NUMBER: 24PD-55-PW1-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P506726

CATALOG NUMBER: 24PD-55-PW1-L950

**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	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

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

	0°	45°	90°
0°	2285	2285	2285
5°	2293	2290	2290
10°	2304	2304	2305
15°	2323	2325	2330
20°	2345	2353	2354
25°	2370	2380	2377
30°	2391	2406	2395
35°	2405	2423	2402
40°	2407	2425	2389
45°	2393	2402	2344
50°	2356	2345	2271
55°	2281	2244	2164
60°	2142	2087	2005
65°	1932	1861	1785
70°	1592	1568	1511
75°	1218	1230	1181
80°	845	871	852
85°	505	526	513



TEST NUMBER: P506726

CATALOG NUMBER: 24PD-55-PW1-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.6	3.2
10°-20°	472.1	9.5
20°-30°	738.3	14.8
30°-40°	918.3	18.4
40°-50°	965.1	19.4
50°-60°	847.1	17.0
60°-70°	576.8	11.6
70°-80°	254.5	5.1
80°-90°	45.8	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°	1372.0	27.6
0°-40°	2290.3	46.0
0°-60°	4102.5	82.4
0°-90°	4979.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4979.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1698	1698	1698	1698	1698	
5°	1698	1697	1696	1694	1696	162
15°	1668	1670	1669	1669	1672	471
25°	1596	1600	1603	1602	1601	736
35°	1464	1470	1475	1468	1462	915
45°	1258	1266	1262	1242	1232	969
55°	972	968	957	932	922	866
65°	607	592	584	572	561	598
75°	234	236	237	232	227	256
85°	33	34	34	34	33	45
90°	0	0	0	0	0	



TEST NUMBER: P506726

CATALOG NUMBER: 24PD-55-PW1-L950

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1698.1	1698.1	1698.1	1698.1	1698.1
2.5°	1700.0	1699.0	1698.1	1696.7	1698.1
5°	1697.6	1697.1	1695.7	1693.8	1695.7
7.5°	1693.8	1693.8	1692.4	1691.0	1691.9
10°	1686.7	1688.1	1686.7	1685.3	1687.2
12.5°	1677.2	1679.6	1679.1	1679.1	1680.5
15°	1667.7	1669.6	1669.2	1669.2	1672.5
17.5°	1654.5	1656.8	1657.3	1658.3	1660.2
20°	1637.9	1641.2	1643.1	1642.6	1644.0
22.5°	1618.4	1622.2	1623.7	1624.6	1623.7
25°	1596.2	1600.4	1603.3	1602.3	1600.9
27.5°	1569.1	1573.9	1577.7	1575.3	1572.5
30°	1538.8	1543.1	1548.7	1544.5	1541.6
32.5°	1501.3	1509.4	1514.6	1509.4	1505.1
35°	1463.9	1470.5	1475.3	1468.2	1462.5
37.5°	1418.4	1426.4	1430.7	1420.8	1414.6
40°	1370.5	1378.6	1380.9	1368.1	1360.1
42.5°	1316.0	1325.0	1325.9	1307.9	1298.9
45°	1257.7	1265.7	1262.4	1241.6	1232.1
47.5°	1194.6	1200.3	1193.2	1171.9	1161.4
50°	1125.4	1128.7	1120.2	1095.1	1085.1
52.5°	1052.4	1051.9	1041.0	1015.9	1005.0
55°	972.3	968.5	956.6	931.5	922.5
57.5°	890.3	878.4	865.6	844.3	832.4
60°	795.9	786.9	775.6	754.2	745.2
62.5°	706.8	690.7	681.2	662.3	654.2
65°	606.8	592.1	584.5	571.7	560.8
67.5°	506.3	494.9	489.7	480.7	470.7
70°	404.8	401.5	398.7	390.2	384.0
72.5°	315.2	314.3	313.8	309.1	302.9
75°	234.2	235.6	236.6	232.3	227.1
77.5°	166.9	169.2	168.8	166.4	165.0
80°	109.0	110.9	112.4	110.0	110.0
82.5°	65.9	67.8	67.3	68.3	66.4
85°	32.7	34.1	34.1	33.7	33.2
87.5°	11.9	12.3	11.9	12.3	11.9
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)