

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: P506753

Luminaire Tested: **24PD-60-PW1-L950**

Issue Date: 3/26/2021

**Test Information**

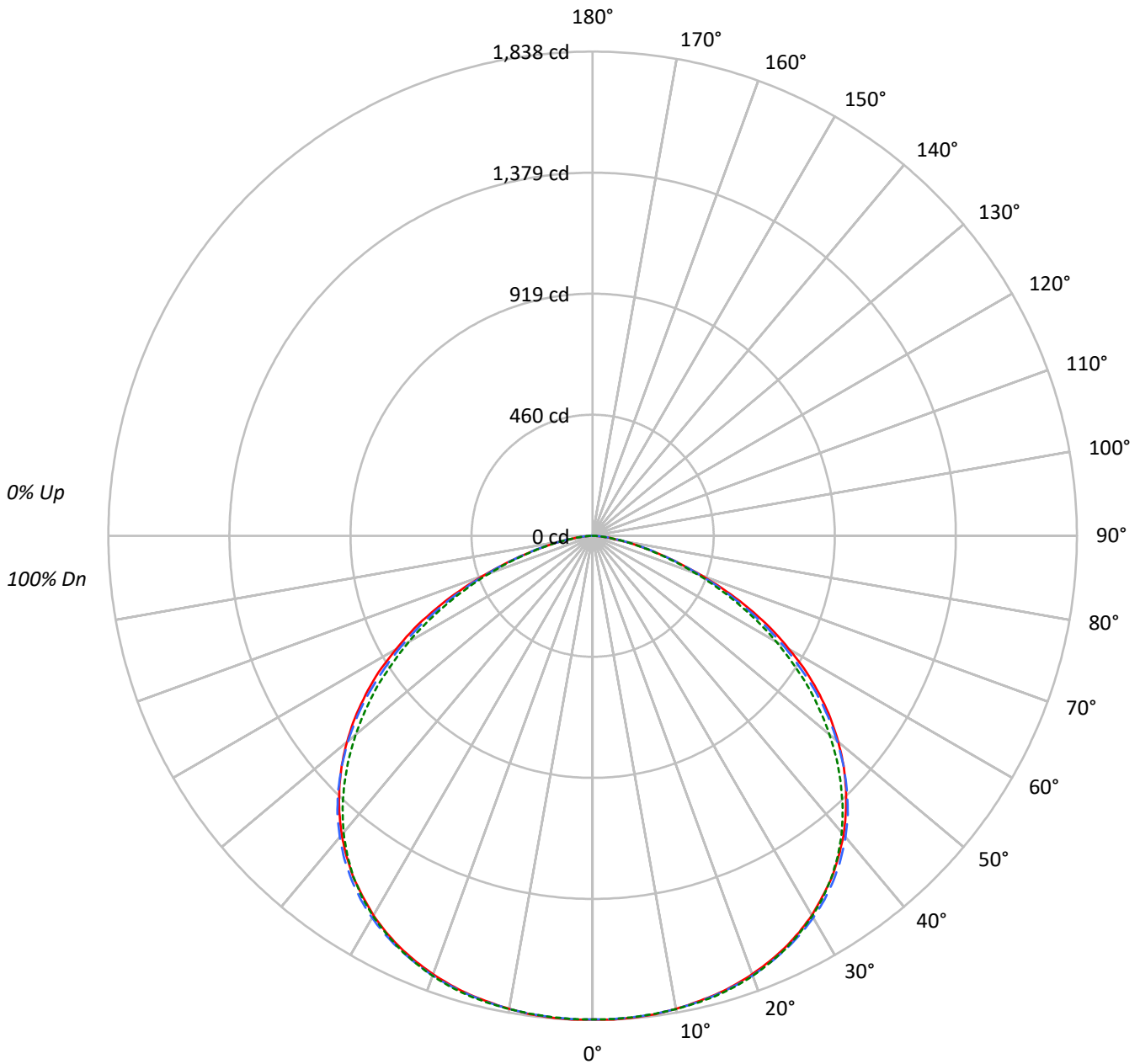
Test Method: LM-79-08  
Report Number: P506753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-60-PW1-L950  
Description: 6000 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: 5384.6 lumens  
Efficiency: N/A  
Efficacy: 119.9 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): 44.9  
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	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°	2471	2471	2471
5°	2479	2477	2477
10°	2492	2492	2493
15°	2512	2514	2519
20°	2536	2544	2545
25°	2562	2574	2570
30°	2585	2602	2590
35°	2600	2620	2598
40°	2603	2623	2583
45°	2588	2598	2535
50°	2547	2536	2456
55°	2466	2427	2340
60°	2316	2257	2168
65°	2089	2012	1931
70°	1722	1696	1633
75°	1316	1330	1276
80°	914	941	921
85°	546	570	554



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.7	3.2
10°-20°	510.5	9.5
20°-30°	798.3	14.8
30°-40°	993.0	18.4
40°-50°	1043.6	19.4
50°-60°	916.0	17.0
60°-70°	623.8	11.6
70°-80°	275.2	5.1
80°-90°	49.5	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°	1483.5	27.6
0°-40°	2476.6	46.0
0°-60°	4436.2	82.4
0°-90°	5384.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5384.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1836	1836	1836	1836	1836	
5°	1836	1835	1834	1832	1834	175
15°	1803	1805	1805	1805	1808	510
25°	1726	1731	1734	1733	1731	796
35°	1583	1590	1595	1588	1581	989
45°	1360	1369	1365	1342	1332	1047
55°	1051	1047	1034	1007	998	937
65°	656	640	632	618	606	647
75°	253	255	256	251	246	277
85°	35	37	37	36	36	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1836.2	1836.2	1836.2	1836.2	1836.2
2.5°	1838.2	1837.2	1836.2	1834.6	1836.2
5°	1835.7	1835.2	1833.6	1831.6	1833.6
7.5°	1831.6	1831.6	1830.0	1828.5	1829.5
10°	1823.9	1825.4	1823.9	1822.3	1824.4
12.5°	1813.6	1816.2	1815.7	1815.7	1817.2
15°	1803.4	1805.4	1804.9	1804.9	1808.5
17.5°	1789.0	1791.6	1792.1	1793.1	1795.2
20°	1771.1	1774.7	1776.7	1776.2	1777.7
22.5°	1750.1	1754.2	1755.7	1756.7	1755.7
25°	1726.0	1730.6	1733.7	1732.6	1731.1
27.5°	1696.8	1701.9	1706.0	1703.4	1700.3
30°	1663.9	1668.6	1674.7	1670.1	1667.0
32.5°	1623.5	1632.2	1637.8	1632.2	1627.6
35°	1583.0	1590.1	1595.3	1587.6	1581.4
37.5°	1533.7	1542.5	1547.1	1536.3	1529.6
40°	1482.0	1490.7	1493.2	1479.4	1470.7
42.5°	1423.0	1432.8	1433.8	1414.3	1404.6
45°	1360.0	1368.7	1365.1	1342.5	1332.3
47.5°	1291.8	1297.9	1290.3	1267.2	1255.9
50°	1216.9	1220.5	1211.3	1184.1	1173.4
52.5°	1138.0	1137.5	1125.7	1098.5	1086.7
55°	1051.4	1047.3	1034.5	1007.3	997.5
57.5°	962.7	949.9	936.0	913.0	900.2
60°	860.7	850.9	838.6	815.6	805.8
62.5°	764.3	746.9	736.6	716.1	707.4
65°	656.1	640.3	632.1	618.2	606.4
67.5°	547.5	535.2	529.5	519.8	509.0
70°	437.8	434.2	431.1	421.9	415.2
72.5°	340.9	339.9	339.4	334.2	327.6
75°	253.2	254.8	255.8	251.2	245.5
77.5°	180.4	183.0	182.5	179.9	178.4
80°	117.9	120.0	121.5	118.9	118.9
82.5°	71.3	73.3	72.8	73.8	71.8
85°	35.4	36.9	36.9	36.4	35.9
87.5°	12.8	13.3	12.8	13.3	12.8
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)