

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: P506751

Luminaire Tested: **24PD-60-PW1-L935**

Issue Date: 3/26/2021



**Test Information**

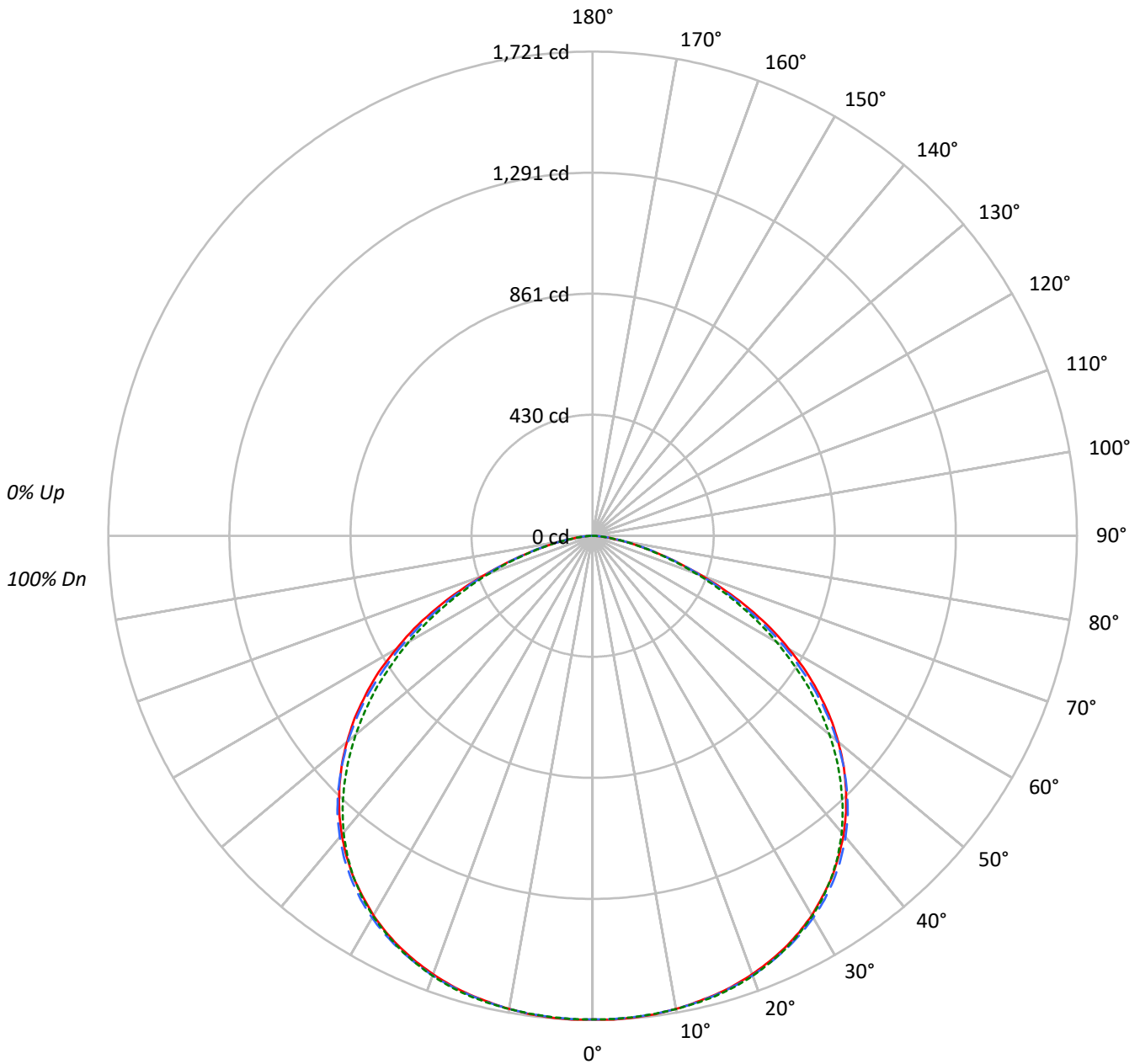
Test Method: LM-79-08  
Report Number: P506751  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-60-PW1-L935  
Description: 6000 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: 5042.0 lumens  
Efficiency: N/A  
Efficacy: 112.3 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				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	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°	2313	2313	2313
5°	2321	2319	2319
10°	2333	2333	2334
15°	2352	2354	2359
20°	2375	2382	2383
25°	2399	2410	2406
30°	2421	2436	2425
35°	2435	2453	2432
40°	2437	2456	2419
45°	2423	2432	2374
50°	2385	2374	2300
55°	2309	2272	2191
60°	2169	2113	2030
65°	1956	1884	1808
70°	1613	1588	1530
75°	1233	1245	1195
80°	855	882	863
85°	511	534	519



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.6	3.2
10°-20°	478.0	9.5
20°-30°	747.5	14.8
30°-40°	929.8	18.4
40°-50°	977.2	19.4
50°-60°	857.7	17.0
60°-70°	584.1	11.6
70°-80°	257.7	5.1
80°-90°	46.4	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°	1389.1	27.6
0°-40°	2318.9	46.0
0°-60°	4153.8	82.4
0°-90°	5042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5042.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1719	1719	1719	1719	1719	
5°	1719	1718	1717	1715	1717	164
15°	1689	1690	1690	1690	1693	477
25°	1616	1620	1623	1622	1621	745
35°	1482	1489	1494	1486	1481	926
45°	1273	1282	1278	1257	1248	981
55°	984	981	969	943	934	877
65°	614	600	592	579	568	606
75°	237	239	240	235	230	259
85°	33	35	35	34	34	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1719.3	1719.3	1719.3	1719.3	1719.3
2.5°	1721.2	1720.3	1719.3	1717.9	1719.3
5°	1718.8	1718.4	1716.9	1715.0	1716.9
7.5°	1715.0	1715.0	1713.6	1712.1	1713.1
10°	1707.8	1709.2	1707.8	1706.4	1708.3
12.5°	1698.2	1700.6	1700.1	1700.1	1701.6
15°	1688.6	1690.5	1690.0	1690.0	1693.4
17.5°	1675.2	1677.6	1678.0	1679.0	1680.9
20°	1658.4	1661.7	1663.6	1663.2	1664.6
22.5°	1638.7	1642.5	1644.0	1644.9	1644.0
25°	1616.1	1620.4	1623.3	1622.4	1620.9
27.5°	1588.8	1593.6	1597.4	1595.0	1592.1
30°	1558.0	1562.4	1568.1	1563.8	1560.9
32.5°	1520.1	1528.3	1533.6	1528.3	1524.0
35°	1482.2	1488.9	1493.7	1486.5	1480.8
37.5°	1436.1	1444.3	1448.6	1438.5	1432.3
40°	1387.7	1395.8	1398.2	1385.3	1377.1
42.5°	1332.5	1341.6	1342.5	1324.3	1315.2
45°	1273.4	1281.6	1278.2	1257.1	1247.5
47.5°	1209.6	1215.3	1208.1	1186.5	1176.0
50°	1139.5	1142.9	1134.2	1108.8	1098.7
52.5°	1065.6	1065.1	1054.1	1028.6	1017.6
55°	984.5	980.6	968.6	943.2	934.1
57.5°	901.4	889.4	876.5	854.9	842.9
60°	805.9	796.8	785.3	763.7	754.5
62.5°	715.7	699.3	689.7	670.5	662.4
65°	614.4	599.5	591.8	578.9	567.8
67.5°	512.6	501.1	495.8	486.7	476.6
70°	409.9	406.6	403.7	395.0	388.8
72.5°	319.2	318.2	317.8	313.0	306.7
75°	237.1	238.6	239.5	235.2	229.9
77.5°	169.0	171.4	170.9	168.5	167.0
80°	110.4	112.3	113.8	111.4	111.4
82.5°	66.7	68.6	68.2	69.1	67.2
85°	33.1	34.6	34.6	34.1	33.6
87.5°	12.0	12.5	12.0	12.5	12.0
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)