

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: P506750

Luminaire Tested: **24PD-60-PW1-L930**

Issue Date: 3/26/2021



**Test Information**

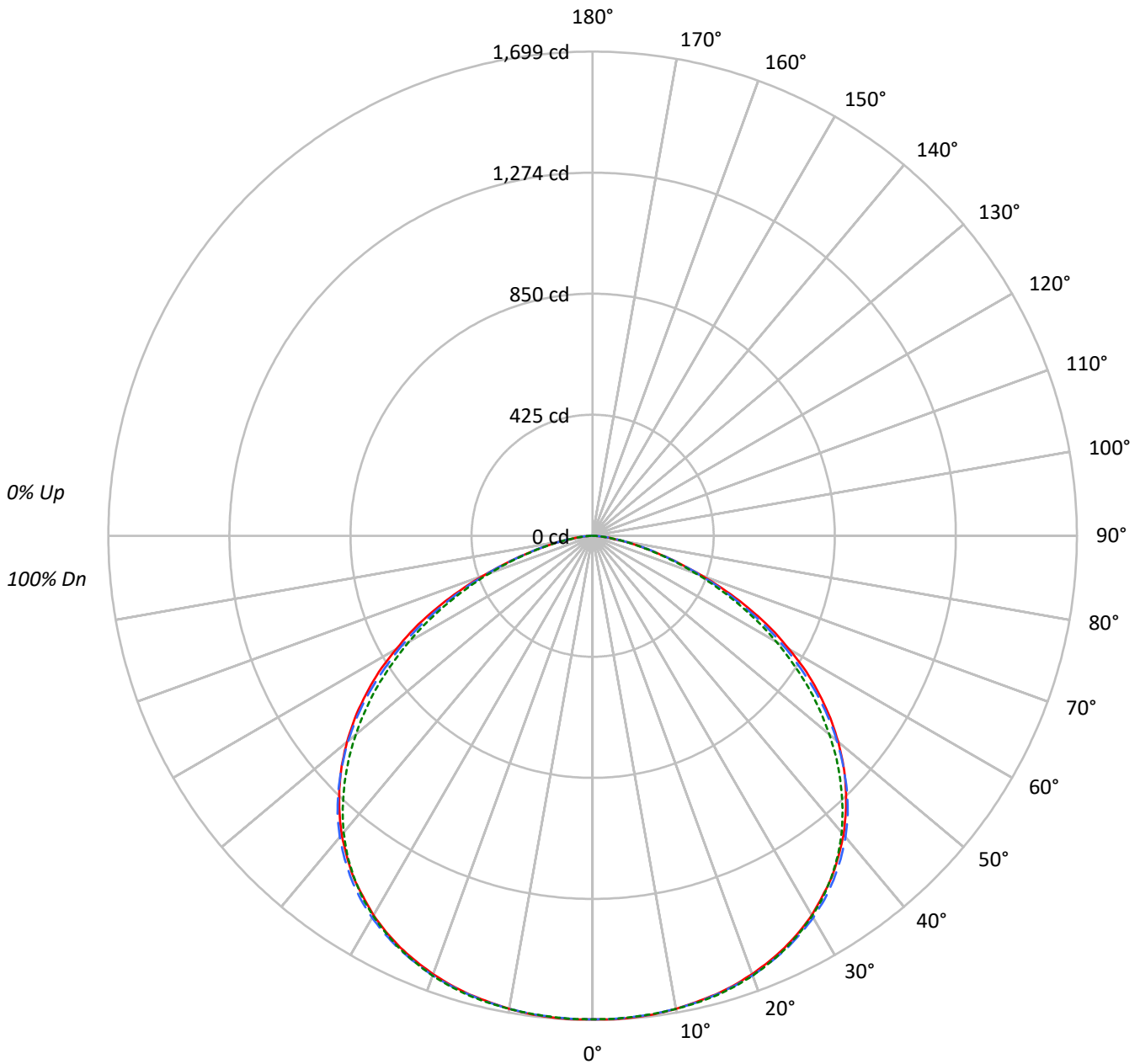
Test Method: LM-79-08  
Report Number: P506750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-60-PW1-L930  
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4975.6 lumens  
Efficiency: N/A  
Efficacy: 110.8 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

TEST NUMBER: P506750  
CATALOG NUMBER: 24PD-60-PW1-L930

### 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	100	100	100	100		
	1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85	85	85	85	85	85		
	2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71	71	71	71	71	71		
	3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60	60	60	60	60	60		
	4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52	52	52	52	52	52		
	5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45	45	45	45	45	45		
	6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39	39	39	39	39	39		
	7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34	34	34	34	34	34		
	8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30	30	30	30	30	30		
	9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27	27	27	27	27	27		
	10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25	25	25	25	25	25		

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

	0°	45°	90°
0°	2283	2283	2283
5°	2291	2288	2288
10°	2303	2303	2303
15°	2321	2323	2328
20°	2343	2351	2352
25°	2368	2378	2375
30°	2389	2404	2393
35°	2403	2421	2400
40°	2405	2423	2387
45°	2391	2400	2343
50°	2354	2343	2269
55°	2279	2242	2162
60°	2140	2085	2004
65°	1930	1859	1784
70°	1591	1567	1509
75°	1216	1229	1180
80°	844	870	852
85°	505	526	513



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.5	3.2
10°-20°	471.7	9.5
20°-30°	737.7	14.8
30°-40°	917.6	18.4
40°-50°	964.3	19.4
50°-60°	846.4	17.0
60°-70°	576.4	11.6
70°-80°	254.3	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°	1370.8	27.6
0°-40°	2288.4	46.0
0°-60°	4099.2	82.4
0°-90°	4975.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4975.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1697	1697	1697	1697	1697	
5°	1696	1696	1694	1692	1694	162
15°	1666	1668	1668	1668	1671	471
25°	1595	1599	1602	1601	1600	735
35°	1463	1469	1474	1467	1461	914
45°	1257	1265	1261	1241	1231	968
55°	972	968	956	931	922	866
65°	606	592	584	571	560	598
75°	234	235	236	232	227	256
85°	33	34	34	34	33	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1696.7	1696.7	1696.7	1696.7	1696.7
2.5°	1698.6	1697.7	1696.7	1695.3	1696.7
5°	1696.2	1695.8	1694.3	1692.4	1694.3
7.5°	1692.4	1692.4	1691.0	1689.6	1690.5
10°	1685.3	1686.8	1685.3	1683.9	1685.8
12.5°	1675.9	1678.2	1677.8	1677.8	1679.2
15°	1666.4	1668.3	1667.8	1667.8	1671.1
17.5°	1653.1	1655.5	1656.0	1656.9	1658.8
20°	1636.5	1639.9	1641.8	1641.3	1642.7
22.5°	1617.1	1620.9	1622.3	1623.3	1622.3
25°	1594.9	1599.1	1602.0	1601.0	1599.6
27.5°	1567.9	1572.6	1576.4	1574.0	1571.2
30°	1537.6	1541.8	1547.5	1543.2	1540.4
32.5°	1500.1	1508.2	1513.4	1508.2	1503.9
35°	1462.7	1469.3	1474.1	1467.0	1461.3
37.5°	1417.2	1425.3	1429.6	1419.6	1413.4
40°	1369.4	1377.4	1379.8	1367.0	1359.0
42.5°	1314.9	1323.9	1324.9	1306.9	1297.9
45°	1256.7	1264.7	1261.4	1240.6	1231.1
47.5°	1193.7	1199.3	1192.2	1170.9	1160.5
50°	1124.5	1127.8	1119.3	1094.2	1084.2
52.5°	1051.6	1051.1	1040.2	1015.1	1004.2
55°	971.5	967.7	955.9	930.8	921.8
57.5°	889.6	877.7	864.9	843.6	831.8
60°	795.3	786.3	774.9	753.6	744.6
62.5°	706.3	690.1	680.7	661.7	653.7
65°	606.3	591.6	584.0	571.3	560.4
67.5°	505.9	494.5	489.3	480.3	470.4
70°	404.5	401.2	398.4	389.8	383.7
72.5°	315.0	314.0	313.6	308.8	302.7
75°	234.0	235.4	236.4	232.1	226.9
77.5°	166.7	169.1	168.6	166.3	164.8
80°	108.9	110.8	112.3	109.9	109.9
82.5°	65.8	67.7	67.3	68.2	66.3
85°	32.7	34.1	34.1	33.6	33.2
87.5°	11.8	12.3	11.8	12.3	11.8
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)