

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: P506749

Luminaire Tested: **24PD-60-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506749
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-L927
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

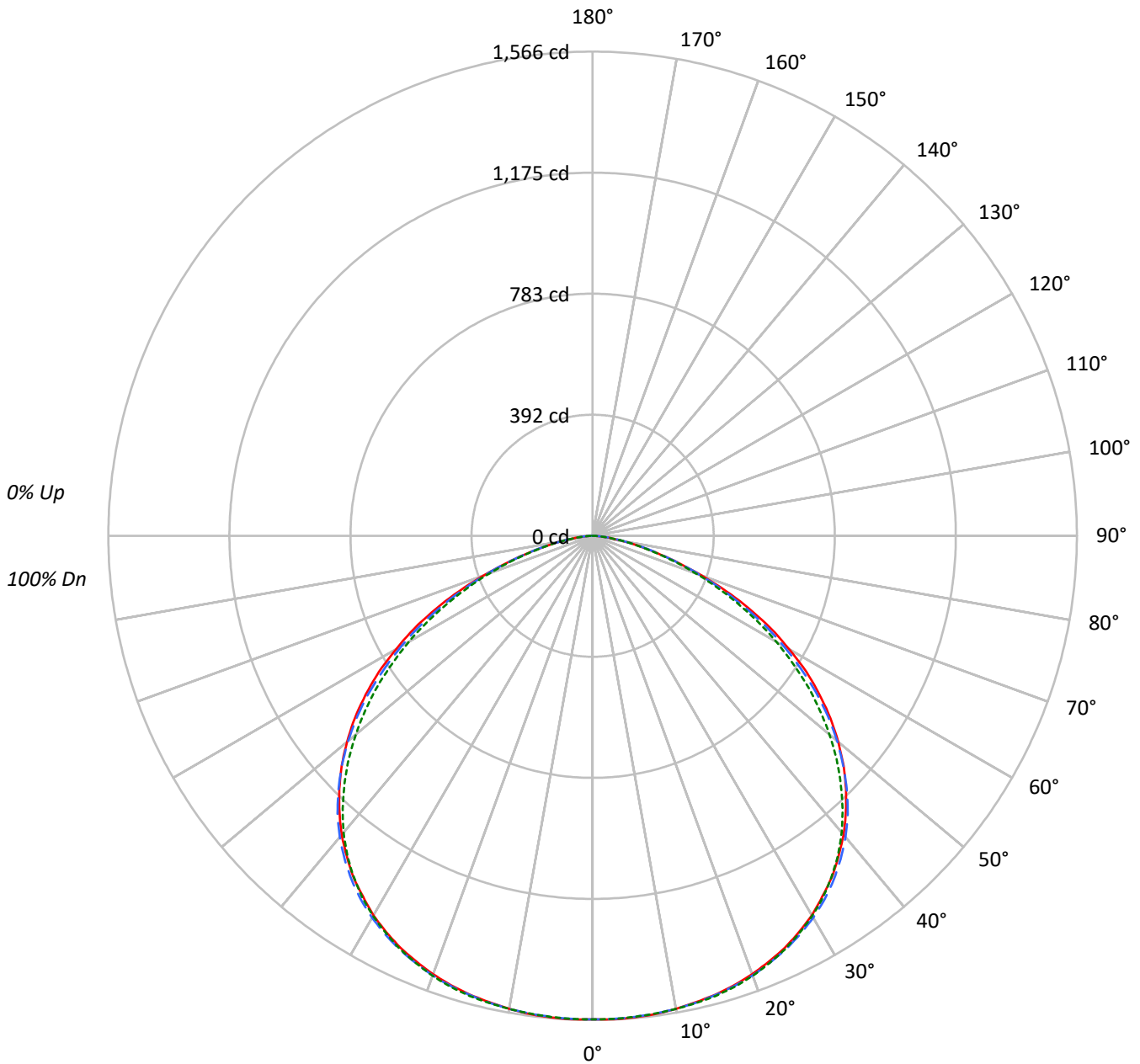
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4586.7 lumens
Efficiency: N/A
Efficacy: 102.2 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): 44.9
Input Voltage (V): NR
Input Current (A_{in}): 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°	2104	2104	2104
5°	2112	2110	2110
10°	2123	2123	2123
15°	2140	2142	2146
20°	2160	2167	2168
25°	2183	2192	2189
30°	2202	2216	2206
35°	2215	2232	2213
40°	2217	2234	2200
45°	2204	2213	2159
50°	2170	2160	2092
55°	2101	2067	1993
60°	1973	1922	1847
65°	1779	1714	1645
70°	1467	1445	1391
75°	1121	1133	1088
80°	778	802	785
85°	465	485	472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	3.2
10°-20°	434.8	9.5
20°-30°	680.0	14.8
30°-40°	845.9	18.4
40°-50°	888.9	19.4
50°-60°	780.3	17.0
60°-70°	531.3	11.6
70°-80°	234.4	5.1
80°-90°	42.2	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°	1263.7	27.6
0°-40°	2109.6	46.0
0°-60°	3778.8	82.4
0°-90°	4586.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4586.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1564	1564	1564	1564	1564	
5°	1564	1563	1562	1560	1562	149
15°	1536	1538	1537	1537	1540	434
25°	1470	1474	1477	1476	1475	678
35°	1348	1354	1359	1352	1347	843
45°	1158	1166	1163	1144	1135	892
55°	896	892	881	858	850	798
65°	559	545	538	527	517	551
75°	216	217	218	214	209	236
85°	30	31	31	31	31	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1564.1	1564.1	1564.1	1564.1	1564.1
2.5°	1565.8	1565.0	1564.1	1562.8	1564.1
5°	1563.6	1563.2	1561.9	1560.2	1561.9
7.5°	1560.2	1560.2	1558.8	1557.5	1558.4
10°	1553.6	1554.9	1553.6	1552.3	1554.0
12.5°	1544.9	1547.1	1546.6	1546.6	1547.9
15°	1536.1	1537.9	1537.4	1537.4	1540.5
17.5°	1523.9	1526.1	1526.5	1527.4	1529.1
20°	1508.6	1511.7	1513.4	1513.0	1514.3
22.5°	1490.7	1494.2	1495.5	1496.4	1495.5
25°	1470.2	1474.1	1476.8	1475.9	1474.6
27.5°	1445.3	1449.7	1453.2	1451.0	1448.4
30°	1417.4	1421.3	1426.5	1422.6	1420.0
32.5°	1382.9	1390.3	1395.1	1390.3	1386.4
35°	1348.4	1354.5	1358.9	1352.3	1347.1
37.5°	1306.5	1313.9	1317.8	1308.6	1303.0
40°	1262.4	1269.8	1272.0	1260.2	1252.8
42.5°	1212.1	1220.4	1221.3	1204.7	1196.4
45°	1158.4	1165.9	1162.8	1143.6	1134.9
47.5°	1100.4	1105.6	1099.0	1079.4	1069.8
50°	1036.6	1039.7	1031.8	1008.7	999.5
52.5°	969.4	968.9	958.9	935.7	925.7
55°	895.6	892.1	881.2	858.0	849.7
57.5°	820.0	809.1	797.3	777.7	766.8
60°	733.1	724.8	714.4	694.7	686.4
62.5°	651.0	636.2	627.5	610.0	602.6
65°	558.9	545.4	538.4	526.6	516.6
67.5°	466.3	455.9	451.1	442.8	433.6
70°	372.9	369.8	367.2	359.4	353.7
72.5°	290.4	289.5	289.1	284.7	279.0
75°	215.7	217.0	217.9	214.0	209.2
77.5°	153.7	155.9	155.4	153.3	152.0
80°	100.4	102.2	103.5	101.3	101.3
82.5°	60.7	62.4	62.0	62.9	61.1
85°	30.1	31.4	31.4	31.0	30.6
87.5°	10.9	11.4	10.9	11.4	10.9
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)