

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: P506731

Luminaire Tested: **24PD-60-PL1-L927**

Issue Date: 3/26/2021



**Test Information**

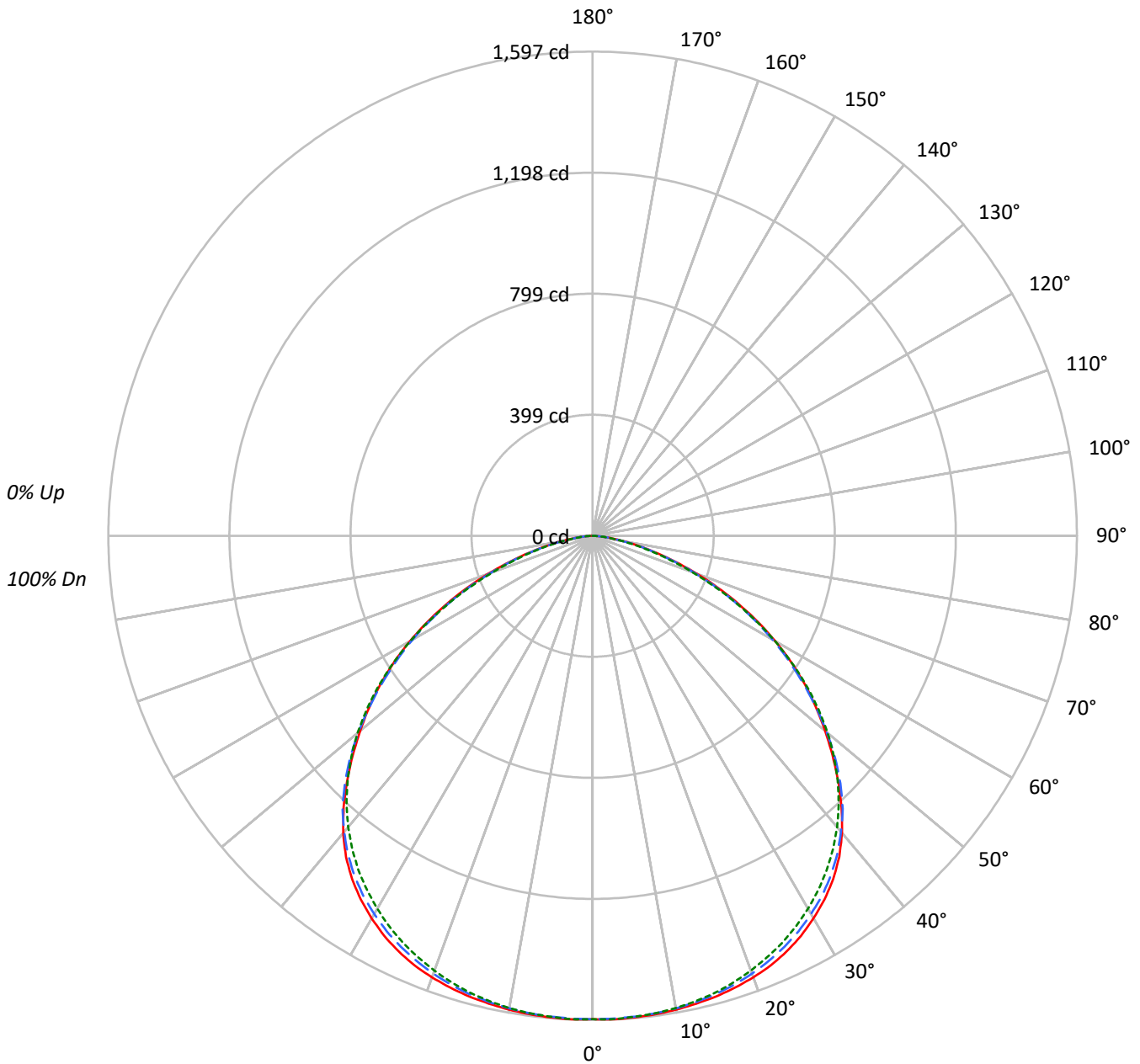
Test Method: LM-79-08  
Report Number: P506731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-60-PL1-L927  
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4574.5 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43  
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	99	96	93	95	92	90	91	89	87	85								
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72								
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61								
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52								
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45								
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39								
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35								
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31								
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28								
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25								

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

	0°	45°	90°
0°	2146	2146	2146
5°	2154	2150	2151
10°	2169	2162	2161
15°	2191	2181	2174
20°	2219	2201	2185
25°	2246	2221	2198
30°	2264	2238	2207
35°	2271	2248	2211
40°	2247	2239	2203
45°	2179	2198	2174
50°	2094	2110	2117
55°	2004	1988	2018
60°	1874	1844	1867
65°	1686	1653	1651
70°	1436	1403	1371
75°	1130	1105	1060
80°	809	785	741
85°	479	472	438



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.7	3.3
10°-20°	442.6	9.7
20°-30°	690.0	15.1
30°-40°	853.8	18.7
40°-50°	885.1	19.3
50°-60°	762.1	16.7
60°-70°	517.0	11.3
70°-80°	230.7	5.0
80°-90°	41.5	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°	1284.3	28.1
0°-40°	2138.1	46.7
0°-60°	3785.2	82.7
0°-90°	4574.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4574.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1595	1595	1595	1595	1595	
5°	1595	1592	1592	1592	1592	152
15°	1573	1569	1565	1562	1561	445
25°	1513	1507	1496	1485	1481	698
35°	1383	1379	1369	1354	1346	863
45°	1145	1150	1155	1151	1143	882
55°	854	854	848	857	860	762
65°	530	532	519	514	519	524
75°	217	219	213	208	204	236
85°	31	31	31	31	28	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1594.6	1594.6	1594.6	1594.6	1594.6
2.5°	1596.8	1593.3	1593.7	1594.2	1595.9
5°	1594.6	1592.4	1592.0	1592.0	1592.4
7.5°	1592.0	1589.4	1588.9	1588.5	1588.5
10°	1587.2	1584.6	1582.8	1581.9	1581.5
12.5°	1580.6	1577.6	1575.4	1573.6	1572.3
15°	1573.2	1568.8	1565.4	1561.9	1560.6
17.5°	1562.7	1558.8	1552.7	1547.0	1544.8
20°	1549.6	1545.7	1537.0	1529.1	1526.1
22.5°	1534.4	1528.7	1517.8	1509.0	1504.7
25°	1513.0	1507.3	1495.9	1485.0	1480.6
27.5°	1488.1	1482.8	1470.6	1457.5	1452.3
30°	1457.1	1453.6	1440.5	1426.1	1420.4
32.5°	1422.6	1419.1	1407.7	1391.6	1385.0
35°	1382.8	1378.9	1368.9	1354.0	1346.2
37.5°	1335.7	1334.4	1324.8	1309.5	1302.1
40°	1279.4	1282.0	1274.6	1261.5	1254.0
42.5°	1215.2	1220.8	1220.8	1208.6	1201.2
45°	1144.9	1150.1	1155.3	1151.0	1142.7
47.5°	1072.8	1078.5	1084.6	1086.4	1079.4
50°	1000.3	1003.8	1007.8	1015.6	1011.3
52.5°	928.3	929.6	928.3	938.8	937.9
55°	854.1	854.5	847.5	857.1	860.2
57.5°	776.8	778.1	766.7	772.0	778.5
60°	696.4	697.8	685.1	686.0	693.8
62.5°	613.5	615.2	602.6	599.5	606.5
65°	529.6	531.8	519.2	513.5	518.7
67.5°	446.2	448.9	437.1	430.1	431.4
70°	365.0	367.2	356.7	350.2	348.4
72.5°	287.7	289.9	281.6	275.1	272.0
75°	217.4	219.2	212.6	207.8	203.9
77.5°	156.3	157.6	152.4	148.9	145.0
80°	104.4	104.8	101.3	99.1	95.6
82.5°	62.4	62.9	60.7	59.8	57.2
85°	31.0	31.4	30.6	30.6	28.4
87.5°	10.9	10.5	10.9	10.9	9.6
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)