

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: P506380

Luminaire Tested: **22PD-60-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PL1-L927
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

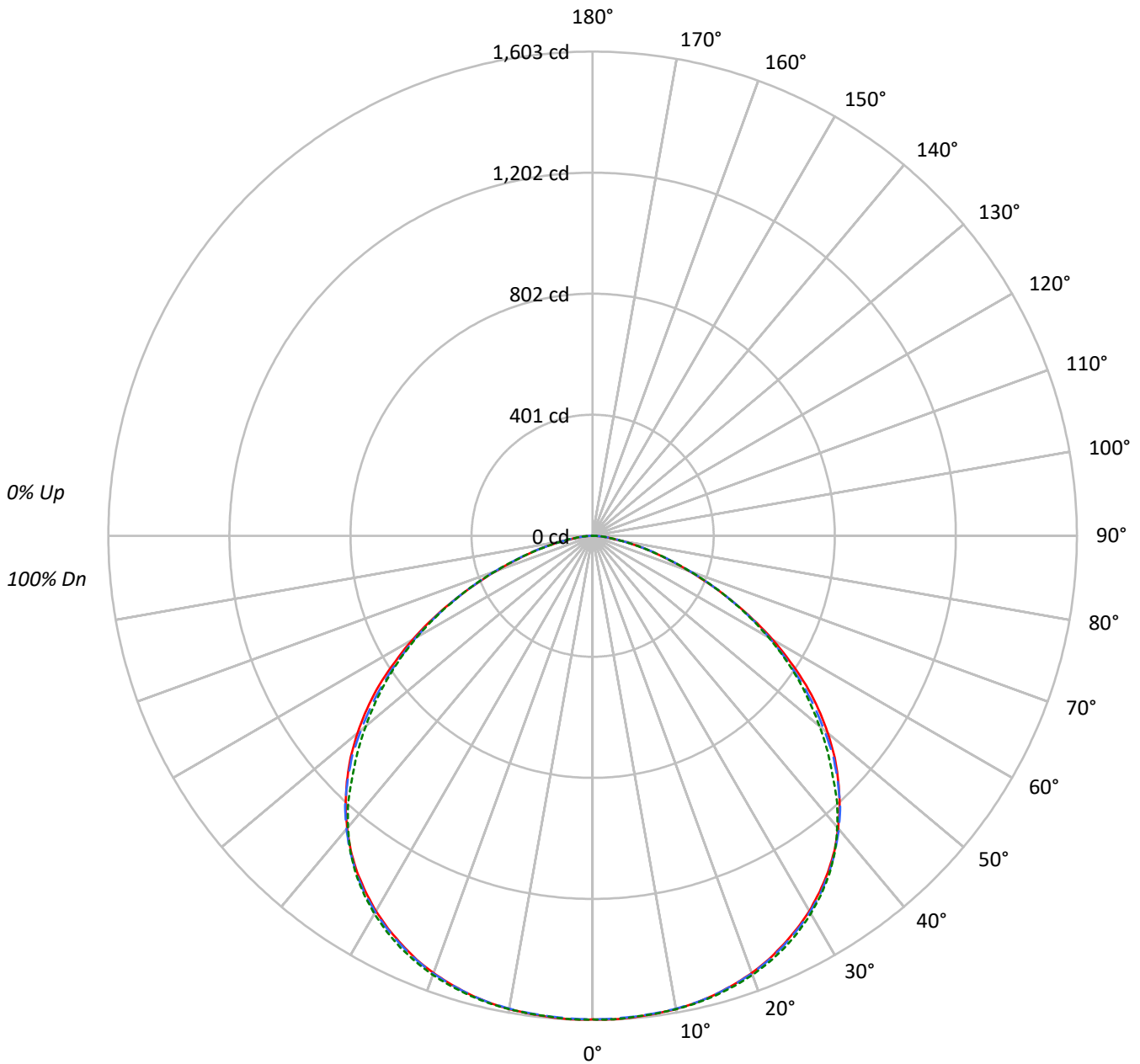
Lumens per Lamp: N/A
Luminaire Lumens: 4536.0 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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

TEST NUMBER: P506380

CATALOG NUMBER: 22PD-60-PL1-L927

Luminous Intensity Polar Plot





TEST NUMBER: P506380

CATALOG NUMBER: 22PD-60-PL1-L927

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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85								
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72								
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61								
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52								
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45								
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40								
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35								
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31								
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28								
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4309	4309	4309
5°	4321	4317	4318
10°	4348	4344	4348
15°	4380	4380	4389
20°	4411	4416	4431
25°	4435	4445	4467
30°	4457	4471	4489
35°	4464	4479	4488
40°	4441	4453	4425
45°	4378	4365	4277
50°	4254	4188	4103
55°	4048	3945	3900
60°	3705	3636	3615
65°	3231	3224	3214
70°	2648	2693	2685
75°	2099	2135	2099
80°	1537	1530	1520
85°	1028	1010	1081



TEST NUMBER: P506380

CATALOG NUMBER: 22PD-60-PL1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	3.4
10°-20°	444.3	9.8
20°-30°	690.7	15.2
30°-40°	851.4	18.8
40°-50°	879.5	19.4
50°-60°	752.5	16.6
60°-70°	502.3	11.1
70°-80°	220.4	4.9
80°-90°	42.6	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°	1287.3	28.4
0°-40°	2138.7	47.2
0°-60°	3770.7	83.1
0°-90°	4536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4536.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1601	1601	1601	1601	1601	
5°	1600	1598	1598	1597	1599	152
15°	1572	1570	1572	1573	1576	444
25°	1494	1494	1497	1502	1504	689
35°	1359	1359	1364	1366	1366	849
45°	1150	1150	1147	1136	1124	886
55°	863	852	841	836	831	767
65°	508	506	506	508	505	503
75°	202	200	205	204	202	219
85°	33	33	33	34	35	43
90°	0	0	0	0	0	



TEST NUMBER: P506380

CATALOG NUMBER: 22PD-60-PL1-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1601.4	1601.4	1601.4	1601.4	1601.4
2.5°	1602.6	1600.3	1599.8	1599.8	1602.6
5°	1599.8	1597.5	1598.1	1596.9	1598.6
7.5°	1595.8	1593.6	1594.1	1593.6	1595.8
10°	1591.3	1589.0	1589.6	1589.0	1591.3
12.5°	1583.4	1581.7	1582.8	1583.4	1585.1
15°	1572.1	1570.4	1572.1	1573.3	1575.5
17.5°	1557.5	1556.3	1558.0	1559.7	1562.5
20°	1540.5	1539.4	1542.2	1543.9	1547.3
22.5°	1519.7	1518.6	1521.4	1525.3	1527.6
25°	1493.7	1493.7	1497.1	1501.6	1504.5
27.5°	1466.1	1465.6	1469.5	1474.0	1476.8
30°	1434.5	1433.4	1439.0	1443.0	1444.7
32.5°	1397.9	1398.4	1403.5	1407.5	1408.0
35°	1359.0	1359.0	1363.5	1366.3	1366.3
37.5°	1314.4	1313.9	1318.4	1319.5	1317.8
40°	1264.2	1264.8	1267.6	1267.1	1259.7
42.5°	1210.1	1210.7	1212.9	1205.0	1197.7
45°	1150.3	1149.8	1147.0	1136.2	1123.8
47.5°	1086.6	1083.8	1079.3	1062.9	1053.9
50°	1016.1	1011.6	1000.3	987.4	980.0
52.5°	941.7	933.8	922.5	912.4	906.2
55°	862.8	852.0	840.8	836.2	831.2
57.5°	774.8	768.0	758.4	756.2	752.8
60°	688.5	681.2	675.5	675.5	671.6
62.5°	598.3	593.8	591.5	592.6	588.7
65°	507.5	506.4	506.4	508.1	504.7
67.5°	419.5	421.8	421.2	426.9	422.4
70°	336.6	340.6	342.3	347.9	341.2
72.5°	265.0	265.6	267.8	269.5	266.2
75°	201.9	200.2	205.3	204.1	201.9
77.5°	146.0	144.9	146.6	147.7	144.9
80°	99.2	98.1	98.7	100.4	98.1
82.5°	62.6	61.5	61.5	63.2	62.6
85°	33.3	32.7	32.7	33.8	35.0
87.5°	11.8	11.3	11.8	11.8	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)