

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: P506164

Luminaire Tested: **22PD-20-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506164
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-20-PL1-L927
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

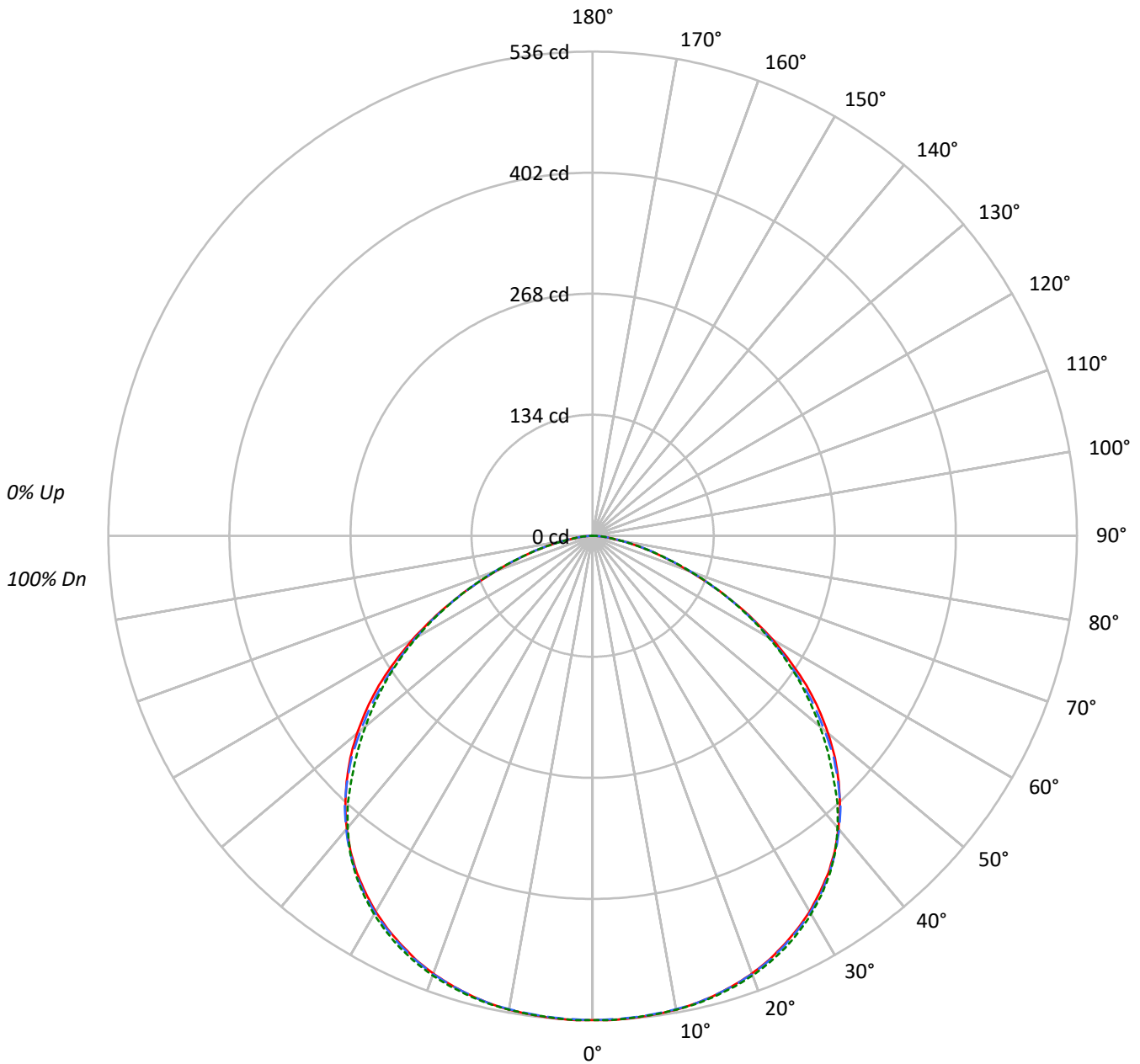
Lumens per Lamp: N/A
Luminaire Lumens: 1518.6 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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: P506164

CATALOG NUMBER: 22PD-20-PL1-L927

Luminous Intensity Polar Plot





TEST NUMBER: P506164

CATALOG NUMBER: 22PD-20-PL1-L927

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	1443	1443	1443
5°	1447	1445	1446
10°	1456	1454	1456
15°	1466	1466	1470
20°	1477	1479	1483
25°	1485	1488	1496
30°	1492	1497	1503
35°	1495	1500	1503
40°	1487	1491	1481
45°	1466	1461	1432
50°	1424	1402	1374
55°	1355	1321	1306
60°	1241	1217	1210
65°	1082	1079	1076
70°	887	902	899
75°	703	714	703
80°	514	511	508
85°	343	337	361



TEST NUMBER: P506164

CATALOG NUMBER: 22PD-20-PL1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	3.4
10°-20°	148.8	9.8
20°-30°	231.2	15.2
30°-40°	285.1	18.8
40°-50°	294.4	19.4
50°-60°	252.0	16.6
60°-70°	168.1	11.1
70°-80°	73.8	4.9
80°-90°	14.3	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°	431.0	28.4
0°-40°	716.0	47.2
0°-60°	1262.4	83.1
0°-90°	1518.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1518.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	536	536	536	536	536	
5°	536	535	535	535	535	51
15°	526	526	526	527	528	149
25°	500	500	501	503	504	231
35°	455	455	456	457	457	284
45°	385	385	384	380	376	296
55°	289	285	282	280	278	257
65°	170	170	170	170	169	169
75°	68	67	69	68	68	73
85°	11	11	11	11	12	14
90°	0	0	0	0	0	



TEST NUMBER: P506164

CATALOG NUMBER: 22PD-20-PL1-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	536.2	536.2	536.2	536.2	536.2
2.5°	536.5	535.8	535.6	535.6	536.5
5°	535.6	534.8	535.0	534.6	535.2
7.5°	534.3	533.5	533.7	533.5	534.3
10°	532.8	532.0	532.2	532.0	532.8
12.5°	530.1	529.5	529.9	530.1	530.7
15°	526.3	525.8	526.3	526.7	527.5
17.5°	521.4	521.0	521.6	522.2	523.1
20°	515.8	515.4	516.3	516.9	518.0
22.5°	508.8	508.4	509.3	510.7	511.4
25°	500.1	500.1	501.2	502.7	503.7
27.5°	490.8	490.7	492.0	493.5	494.4
30°	480.3	479.9	481.8	483.1	483.7
32.5°	468.0	468.2	469.9	471.2	471.4
35°	455.0	455.0	456.5	457.4	457.4
37.5°	440.1	439.9	441.4	441.8	441.2
40°	423.3	423.4	424.4	424.2	421.7
42.5°	405.1	405.3	406.1	403.4	401.0
45°	385.1	384.9	384.0	380.4	376.3
47.5°	363.8	362.8	361.3	355.9	352.8
50°	340.2	338.7	334.9	330.6	328.1
52.5°	315.3	312.6	308.9	305.5	303.4
55°	288.8	285.3	281.5	280.0	278.3
57.5°	259.4	257.1	253.9	253.2	252.0
60°	230.5	228.1	226.2	226.2	224.8
62.5°	200.3	198.8	198.0	198.4	197.1
65°	169.9	169.5	169.5	170.1	169.0
67.5°	140.5	141.2	141.0	142.9	141.4
70°	112.7	114.0	114.6	116.5	114.2
72.5°	88.7	88.9	89.7	90.2	89.1
75°	67.6	67.0	68.7	68.3	67.6
77.5°	48.9	48.5	49.1	49.5	48.5
80°	33.2	32.8	33.0	33.6	32.8
82.5°	21.0	20.6	20.6	21.1	21.0
85°	11.1	10.9	10.9	11.3	11.7
87.5°	4.0	3.8	4.0	4.0	4.0
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)