

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: P506173

Luminaire Tested: **22PD-20-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-20-PR1-L927
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

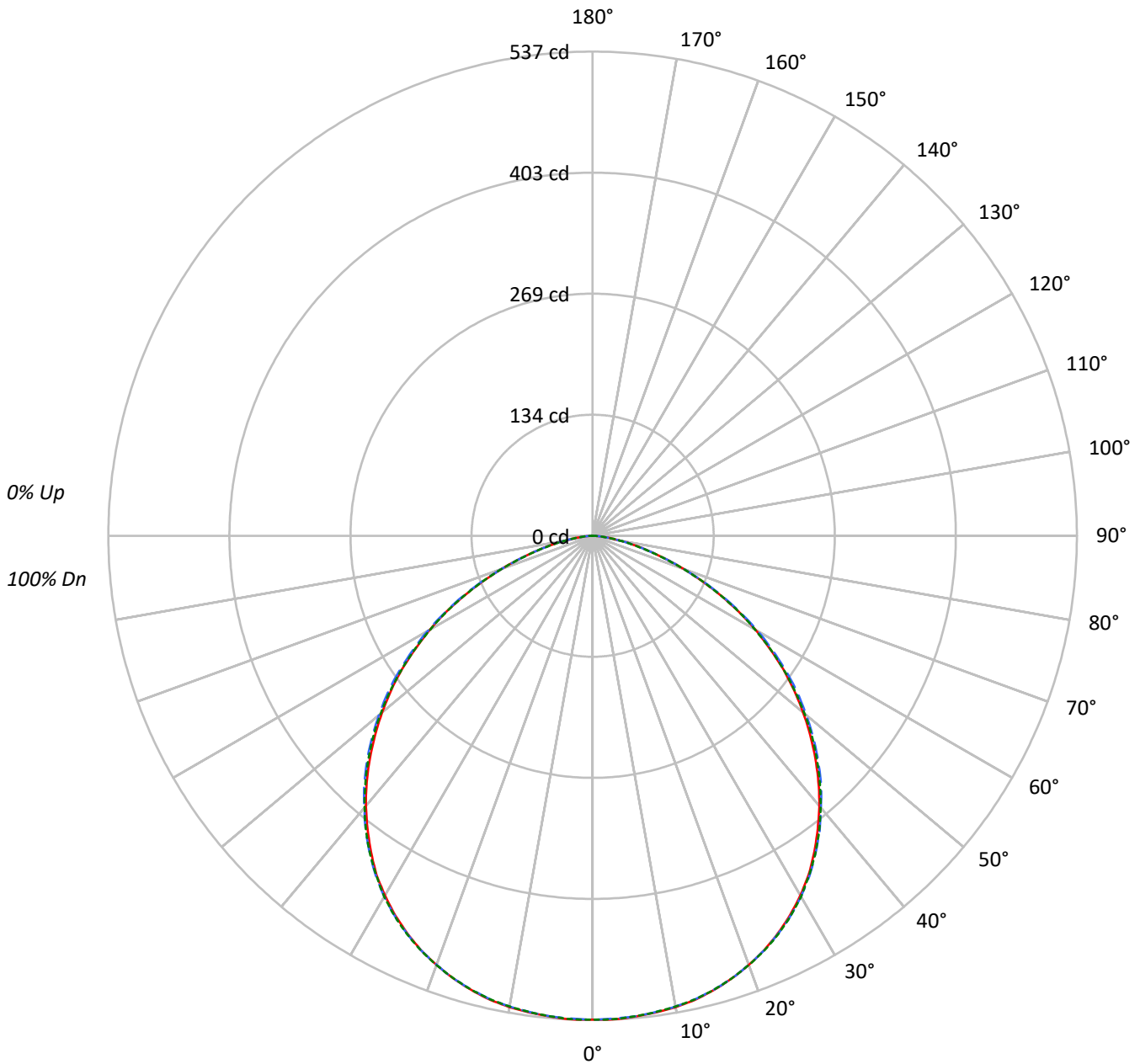
Lumens per Lamp: N/A
Luminaire Lumens: 1434.0 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P506173

CATALOG NUMBER: 22PD-20-PR1-L927

Luminous Intensity Polar Plot





TEST NUMBER: P506173

CATALOG NUMBER: 22PD-20-PR1-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	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1444	1444	1444
5°	1446	1445	1445
10°	1451	1449	1449
15°	1453	1451	1452
20°	1450	1450	1451
25°	1444	1446	1447
30°	1431	1436	1436
35°	1407	1415	1414
40°	1374	1384	1382
45°	1329	1346	1340
50°	1275	1295	1284
55°	1210	1230	1212
60°	1122	1138	1118
65°	1001	1012	1000
70°	842	842	836
75°	660	660	653
80°	483	477	476
85°	315	315	321



TEST NUMBER: P506173

CATALOG NUMBER: 22PD-20-PR1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	3.6
10°-20°	147.1	10.3
20°-30°	224.3	15.6
30°-40°	268.9	18.7
40°-50°	271.5	18.9
50°-60°	232.3	16.2
60°-70°	156.7	10.9
70°-80°	69.1	4.8
80°-90°	13.3	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°	422.3	29.4
0°-40°	691.2	48.2
0°-60°	1195.0	83.3
0°-90°	1434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1434.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	537	537	537	537	537	
5°	535	535	535	535	535	51
15°	521	521	521	521	521	147
25°	486	487	487	487	487	224
35°	428	431	431	430	430	268
45°	349	352	354	353	352	269
55°	258	260	262	262	258	230
65°	157	158	159	158	157	155
75°	64	64	64	64	63	69
85°	10	10	10	10	10	13
90°	0	0	0	0	0	



TEST NUMBER: P506173

CATALOG NUMBER: 22PD-20-PR1-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	536.7	536.7	536.7	536.7	536.7
2.5°	537.0	536.3	536.1	535.9	536.7
5°	535.4	534.7	535.0	534.7	535.0
7.5°	533.4	532.7	532.9	532.5	532.9
10°	530.9	530.2	530.2	529.8	530.2
12.5°	527.0	526.4	526.3	525.9	526.4
15°	521.4	521.2	520.9	520.7	521.1
17.5°	514.6	514.2	514.6	514.1	514.4
20°	506.5	506.7	506.3	506.5	506.7
22.5°	497.4	497.4	497.6	497.6	497.9
25°	486.4	487.0	487.0	487.0	487.3
27.5°	474.3	475.0	475.5	475.2	475.5
30°	460.6	461.9	462.1	461.9	462.2
32.5°	445.9	446.8	447.4	447.0	446.6
35°	428.4	430.9	430.7	430.3	430.5
37.5°	409.9	412.4	413.3	412.6	412.8
40°	391.2	393.4	393.9	394.1	393.4
42.5°	370.6	373.1	375.1	374.2	373.1
45°	349.3	352.0	353.8	353.2	352.0
47.5°	327.2	329.7	332.2	331.4	330.1
50°	304.6	307.1	309.3	308.9	306.8
52.5°	281.5	284.4	286.3	285.6	282.8
55°	258.0	260.3	262.1	261.8	258.4
57.5°	232.6	235.6	236.5	236.0	233.5
60°	208.5	210.5	211.4	210.7	207.8
62.5°	182.9	184.5	185.2	185.0	183.1
65°	157.2	158.5	158.9	158.5	157.1
67.5°	130.9	132.7	132.9	132.9	131.4
70°	107.0	107.6	107.0	108.5	106.3
72.5°	83.9	84.3	83.9	83.9	83.0
75°	63.5	63.7	63.5	63.7	62.8
77.5°	45.9	46.3	45.5	46.1	45.2
80°	31.2	31.2	30.8	31.0	30.7
82.5°	19.4	19.7	19.2	19.2	19.0
85°	10.2	10.2	10.2	10.4	10.4
87.5°	3.6	3.6	3.8	3.8	3.6
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)