

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: P506335

Luminaire Tested: **22PD-50-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506335
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-50-PR1-L927
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

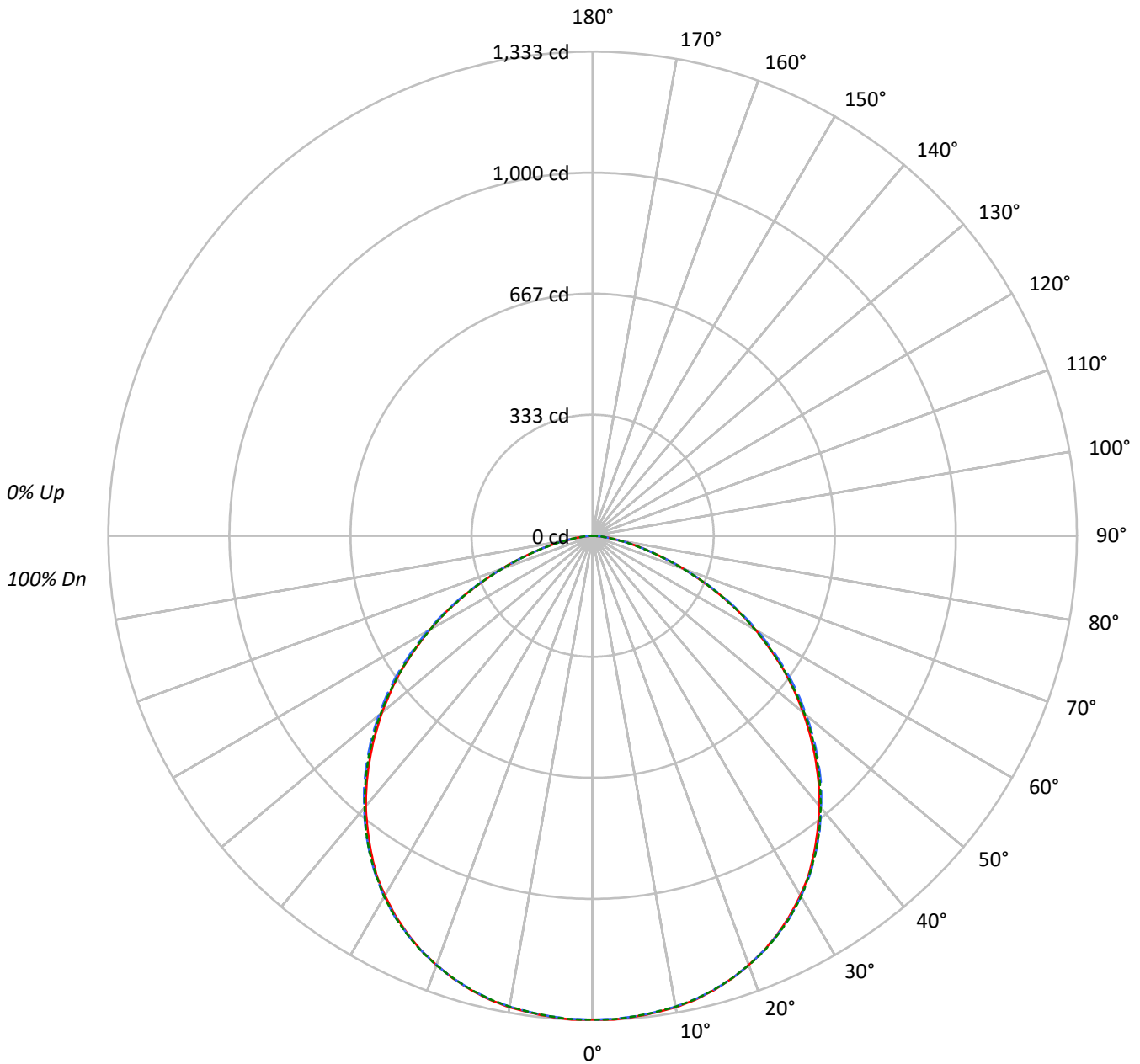
Lumens per Lamp: N/A
Luminaire Lumens: 3560.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.9
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									
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°	3585	3585	3585
5°	3591	3588	3588
10°	3601	3597	3597
15°	3606	3602	3604
20°	3601	3600	3602
25°	3586	3590	3592
30°	3553	3564	3566
35°	3493	3512	3511
40°	3412	3435	3431
45°	3300	3342	3325
50°	3166	3214	3188
55°	3005	3053	3009
60°	2786	2824	2777
65°	2486	2511	2483
70°	2090	2090	2077
75°	1639	1639	1620
80°	1201	1187	1179
85°	784	784	797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	3.6
10°-20°	365.1	10.3
20°-30°	556.9	15.6
30°-40°	667.4	18.7
40°-50°	674.1	18.9
50°-60°	576.7	16.2
60°-70°	388.9	10.9
70°-80°	171.6	4.8
80°-90°	32.9	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°	1048.4	29.4
0°-40°	1715.8	48.2
0°-60°	2966.6	83.3
0°-90°	3560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1329	1327	1328	1327	1328	127
15°	1294	1294	1293	1293	1294	365
25°	1208	1209	1209	1209	1210	556
35°	1063	1070	1069	1068	1069	665
45°	867	874	878	877	874	668
55°	640	646	651	650	641	571
65°	390	394	394	394	390	386
75°	158	158	158	158	156	172
85°	25	25	25	26	26	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1332.3	1332.3	1332.3	1332.3	1332.3
2.5°	1333.2	1331.4	1330.9	1330.5	1332.3
5°	1329.2	1327.4	1328.3	1327.4	1328.3
7.5°	1324.3	1322.5	1322.9	1322.0	1322.9
10°	1318.0	1316.2	1316.2	1315.4	1316.2
12.5°	1308.2	1306.9	1306.5	1305.6	1306.9
15°	1294.4	1294.0	1293.1	1292.7	1293.5
17.5°	1277.5	1276.6	1277.5	1276.2	1277.1
20°	1257.5	1257.9	1257.0	1257.5	1257.9
22.5°	1234.8	1234.8	1235.2	1235.2	1236.1
25°	1207.6	1209.0	1209.0	1209.0	1209.9
27.5°	1177.4	1179.1	1180.5	1179.6	1180.5
30°	1143.5	1146.7	1147.1	1146.7	1147.5
32.5°	1107.0	1109.3	1110.6	1109.7	1108.8
35°	1063.4	1069.6	1069.2	1068.3	1068.8
37.5°	1017.6	1023.8	1026.0	1024.2	1024.7
40°	971.3	976.6	977.9	978.4	976.6
42.5°	920.1	926.3	931.2	929.0	926.3
45°	867.1	873.8	878.2	876.9	873.8
47.5°	812.4	818.6	824.8	822.6	819.5
50°	756.3	762.5	767.8	767.0	761.6
52.5°	698.9	706.0	710.9	709.1	702.0
55°	640.5	646.3	650.8	649.9	641.4
57.5°	577.3	584.9	587.1	585.8	579.6
60°	517.7	522.6	524.8	523.0	515.9
62.5°	454.0	458.0	459.8	459.4	454.5
65°	390.4	393.5	394.4	393.5	389.9
67.5°	324.9	329.4	329.8	329.8	326.3
70°	265.7	267.1	265.7	269.3	264.0
72.5°	208.3	209.2	208.3	208.3	206.1
75°	157.6	158.0	157.6	158.0	155.8
77.5°	114.0	114.8	113.1	114.4	112.2
80°	77.5	77.5	76.6	77.0	76.1
82.5°	48.1	49.0	47.6	47.6	47.2
85°	25.4	25.4	25.4	25.8	25.8
87.5°	8.9	8.9	9.3	9.3	8.9
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)