

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: P506254

Luminaire Tested: **22PD-35-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506254
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-35-PR1-L927
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

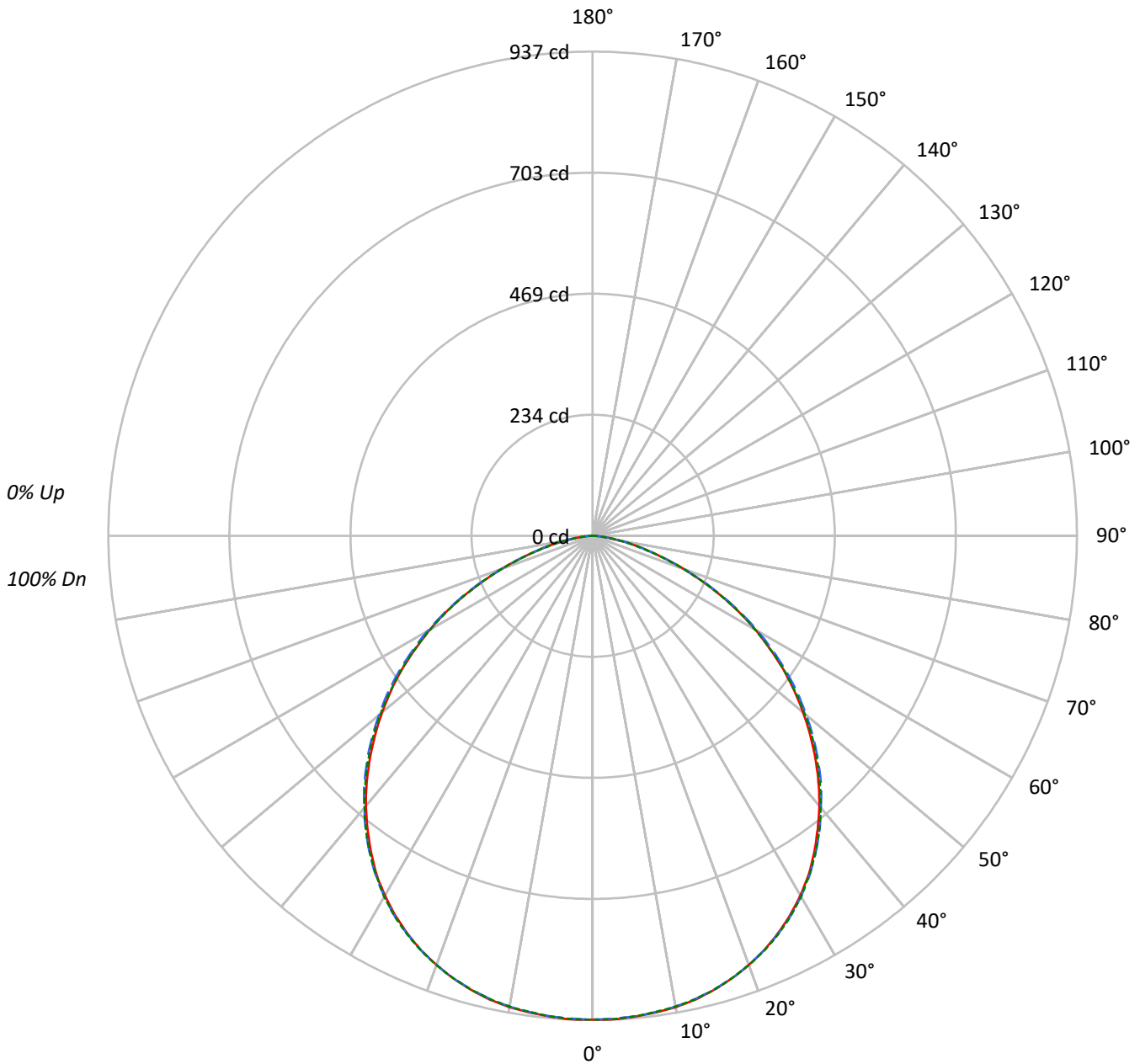
Lumens per Lamp: N/A
Luminaire Lumens: 2502.0 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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				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	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°	2520	2520	2520
5°	2523	2522	2522
10°	2531	2528	2528
15°	2534	2532	2533
20°	2531	2530	2532
25°	2520	2523	2525
30°	2497	2505	2506
35°	2455	2468	2467
40°	2398	2414	2411
45°	2319	2349	2337
50°	2225	2259	2241
55°	2112	2146	2115
60°	1958	1985	1951
65°	1747	1765	1745
70°	1470	1470	1459
75°	1151	1151	1138
80°	843	834	829
85°	550	550	559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	3.6
10°-20°	256.6	10.3
20°-30°	391.4	15.6
30°-40°	469.1	18.7
40°-50°	473.7	18.9
50°-60°	405.3	16.2
60°-70°	273.3	10.9
70°-80°	120.6	4.8
80°-90°	23.1	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°	736.8	29.4
0°-40°	1205.9	48.2
0°-60°	2084.9	83.3
0°-90°	2502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2502.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	934	933	934	933	934	89
15°	910	909	909	908	909	257
25°	849	850	850	850	850	391
35°	747	752	751	751	751	467
45°	609	614	617	616	614	470
55°	450	454	457	457	451	401
65°	274	277	277	277	274	271
75°	111	111	111	111	110	121
85°	18	18	18	18	18	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	936.3	936.3	936.3	936.3	936.3
2.5°	937.0	935.7	935.4	935.1	936.3
5°	934.1	932.9	933.5	932.9	933.5
7.5°	930.7	929.5	929.8	929.1	929.8
10°	926.3	925.1	925.1	924.4	925.1
12.5°	919.4	918.5	918.2	917.6	918.5
15°	909.7	909.4	908.8	908.5	909.1
17.5°	897.9	897.2	897.9	896.9	897.5
20°	883.8	884.1	883.5	883.8	884.1
22.5°	867.8	867.8	868.1	868.1	868.8
25°	848.7	849.7	849.7	849.7	850.3
27.5°	827.5	828.7	829.7	829.0	829.7
30°	803.7	805.9	806.2	805.9	806.5
32.5°	778.0	779.6	780.5	779.9	779.3
35°	747.4	751.8	751.4	750.8	751.1
37.5°	715.2	719.5	721.1	719.8	720.2
40°	682.6	686.4	687.3	687.6	686.4
42.5°	646.6	651.0	654.5	652.9	651.0
45°	609.4	614.1	617.2	616.3	614.1
47.5°	570.9	575.3	579.7	578.1	575.9
50°	531.5	535.9	539.7	539.0	535.3
52.5°	491.2	496.2	499.6	498.4	493.4
55°	450.2	454.2	457.4	456.7	450.8
57.5°	405.8	411.1	412.6	411.7	407.3
60°	363.8	367.3	368.8	367.6	362.6
62.5°	319.1	321.9	323.2	322.9	319.4
65°	274.4	276.6	277.2	276.6	274.0
67.5°	228.4	231.5	231.8	231.8	229.3
70°	186.8	187.7	186.8	189.3	185.5
72.5°	146.4	147.0	146.4	146.4	144.8
75°	110.7	111.1	110.7	111.1	109.5
77.5°	80.1	80.7	79.5	80.4	78.8
80°	54.4	54.4	53.8	54.1	53.5
82.5°	33.8	34.4	33.5	33.5	33.2
85°	17.8	17.8	17.8	18.1	18.1
87.5°	6.3	6.3	6.6	6.6	6.3
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)