

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: P505912

Luminaire Tested: **14PD-35-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PW1-L927
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

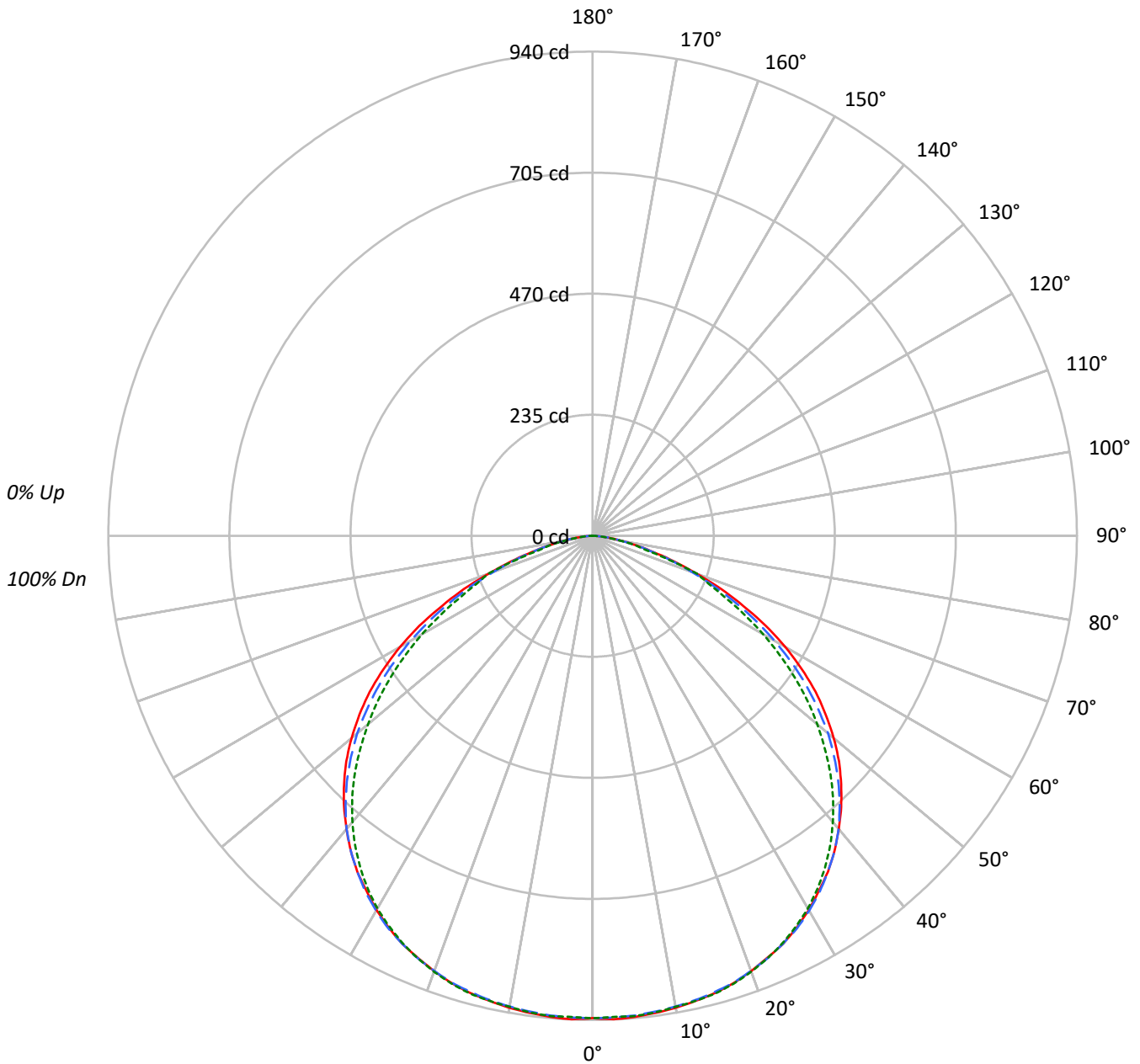
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2667.2 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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

TEST NUMBER: P505912
CATALOG NUMBER: 14PD-35-PW1-L927

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	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	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2520	2520	2520
5°	2533	2525	2528
10°	2543	2536	2537
15°	2561	2554	2563
20°	2576	2574	2579
25°	2595	2595	2591
30°	2607	2612	2596
35°	2616	2616	2583
40°	2611	2609	2548
45°	2597	2567	2484
50°	2557	2496	2382
55°	2479	2374	2245
60°	2322	2194	2057
65°	2056	1938	1810
70°	1679	1603	1691
75°	1266	1243	1118
80°	911	854	854
85°	571	540	475



TEST NUMBER: P505912

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.1	3.3
10°-20°	259.2	9.7
20°-30°	402.4	15.1
30°-40°	495.7	18.6
40°-50°	516.0	19.3
50°-60°	448.8	16.8
60°-70°	301.5	11.3
70°-80°	130.5	4.9
80°-90°	24.0	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°	750.7	28.1
0°-40°	1246.4	46.7
0°-60°	2211.2	82.9
0°-90°	2667.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2667.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	938	932	935	937	936	89
15°	919	913	917	920	920	260
25°	874	870	874	874	872	403
35°	796	794	796	789	786	498
45°	682	680	674	659	653	526
55°	528	519	506	486	479	470
65°	323	317	304	290	284	320
75°	122	123	120	122	108	134
85°	18	19	18	15	15	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	936.5	936.5	936.5	936.5	936.5
2.5°	939.7	933.9	936.0	939.2	934.9
5°	937.6	931.8	934.9	937.1	936.0
7.5°	934.4	930.2	931.8	933.9	933.3
10°	930.7	926.5	928.1	930.2	928.6
12.5°	924.9	920.1	923.3	925.4	924.9
15°	919.1	912.7	916.9	920.1	920.1
17.5°	910.6	905.3	909.5	912.2	911.6
20°	899.5	895.8	898.9	901.1	900.5
22.5°	886.8	884.1	887.8	887.8	887.8
25°	874.1	869.8	874.1	874.1	872.5
27.5°	857.6	853.9	859.2	857.6	855.0
30°	839.1	837.0	840.7	838.1	835.4
32.5°	817.4	816.3	820.1	814.8	812.6
35°	796.2	794.1	796.2	789.3	786.2
37.5°	771.3	769.2	771.3	762.3	757.6
40°	743.3	741.7	742.8	731.1	725.3
42.5°	714.2	712.6	709.9	695.6	690.9
45°	682.4	680.3	674.5	659.1	652.8
47.5°	648.5	644.8	636.3	619.9	611.5
50°	610.9	605.6	596.1	578.1	569.1
52.5°	570.2	563.8	551.6	533.6	525.2
55°	528.3	518.8	506.1	486.0	478.6
57.5°	480.7	470.6	457.4	438.9	430.4
60°	431.5	421.4	407.6	390.7	382.2
62.5°	379.1	370.1	356.3	340.4	333.0
65°	322.9	317.1	304.4	290.1	284.3
67.5°	270.0	264.2	253.6	241.4	243.5
70°	213.4	212.8	203.8	195.4	214.9
72.5°	166.2	165.2	160.4	156.2	155.1
75°	121.8	122.8	119.6	122.3	107.5
77.5°	85.8	86.8	86.3	78.9	82.6
80°	58.8	58.8	55.1	52.4	55.1
82.5°	35.5	42.4	38.1	31.2	30.2
85°	18.5	19.1	17.5	15.4	15.4
87.5°	6.9	7.9	6.9	6.4	5.8
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)