

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: P505903

Luminaire Tested: **14PD-35-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PR1-L927
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

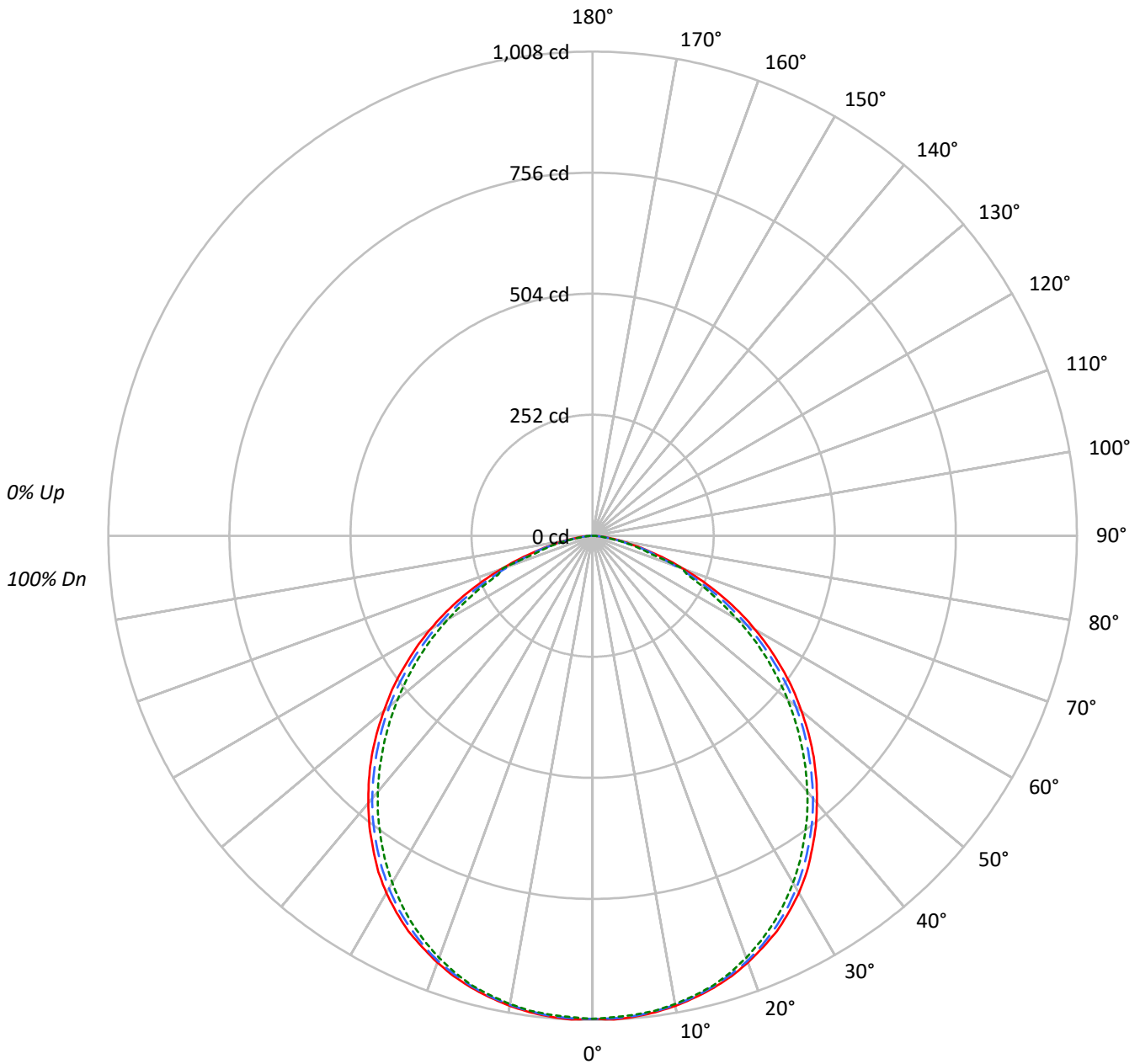
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2588.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
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

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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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2706	2706	2706
5°	2715	2711	2704
10°	2715	2710	2704
15°	2714	2706	2700
20°	2707	2697	2677
25°	2696	2672	2643
30°	2668	2634	2592
35°	2616	2577	2525
40°	2551	2507	2442
45°	2476	2415	2339
50°	2373	2310	2217
55°	2257	2168	2066
60°	2102	1992	1869
65°	1887	1754	1640
70°	1587	1446	1563
75°	1222	1176	1056
80°	880	787	748
85°	537	460	414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	3.7
10°-20°	273.9	10.6
20°-30°	413.6	16.0
30°-40°	489.4	18.9
40°-50°	488.0	18.9
50°-60°	412.2	15.9
60°-70°	274.7	10.6
70°-80°	119.3	4.6
80°-90°	21.6	0.8
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°	782.8	30.2
0°-40°	1272.2	49.2
0°-60°	2172.4	83.9
0°-90°	2588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1006	1006	1006	1006	1006	
5°	1005	1001	1004	1003	1001	96
15°	974	970	971	970	969	275
25°	908	902	900	892	890	418
35°	796	791	784	774	768	498
45°	650	644	635	621	615	501
55°	481	478	462	447	440	430
65°	296	293	275	264	258	293
75°	118	115	113	109	102	128
85°	17	18	15	14	13	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1005.6	1005.6	1005.6	1005.6	1005.6
2.5°	1008.1	1003.6	1005.6	1005.6	1003.1
5°	1005.1	1001.1	1003.6	1002.6	1001.1
7.5°	1000.6	996.7	998.2	997.7	997.2
10°	993.7	989.7	991.7	990.7	989.7
12.5°	984.7	980.7	982.7	981.2	980.2
15°	974.2	969.8	971.3	969.8	969.3
17.5°	961.3	956.8	957.3	955.3	953.3
20°	945.4	941.4	941.9	936.9	934.9
22.5°	926.9	922.9	922.4	916.0	913.5
25°	908.0	902.0	900.0	892.1	890.1
27.5°	884.1	878.6	875.6	867.2	863.2
30°	858.7	852.7	847.7	838.3	834.3
32.5°	829.8	823.8	817.4	807.4	802.9
35°	796.4	791.0	784.5	774.0	768.5
37.5°	763.1	757.1	750.6	738.2	733.7
40°	726.2	720.7	713.8	700.3	695.3
42.5°	689.3	682.9	674.4	661.5	656.0
45°	650.5	644.5	634.6	621.1	614.6
47.5°	609.7	604.7	594.2	579.8	572.8
50°	566.8	562.8	551.9	535.9	529.5
52.5°	526.0	520.5	508.0	492.1	485.1
55°	481.1	477.7	462.2	447.3	440.3
57.5°	436.3	431.8	416.4	401.5	395.0
60°	390.5	386.5	370.1	355.1	347.2
62.5°	344.2	339.7	322.3	308.8	301.3
65°	296.4	292.9	275.4	263.5	257.5
67.5°	248.5	246.1	227.6	217.7	213.2
70°	201.7	198.2	183.8	179.8	198.7
72.5°	158.4	153.9	141.5	135.0	130.0
75°	117.5	115.1	113.1	109.1	101.6
77.5°	82.7	82.2	75.2	69.7	75.2
80°	56.8	58.8	50.8	46.3	48.3
82.5°	34.9	38.9	30.4	26.9	25.9
85°	17.4	17.9	14.9	13.9	13.4
87.5°	6.5	7.5	6.5	5.5	5.5
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)