

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: P505914

Luminaire Tested: **14PD-35-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505914
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-L935
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

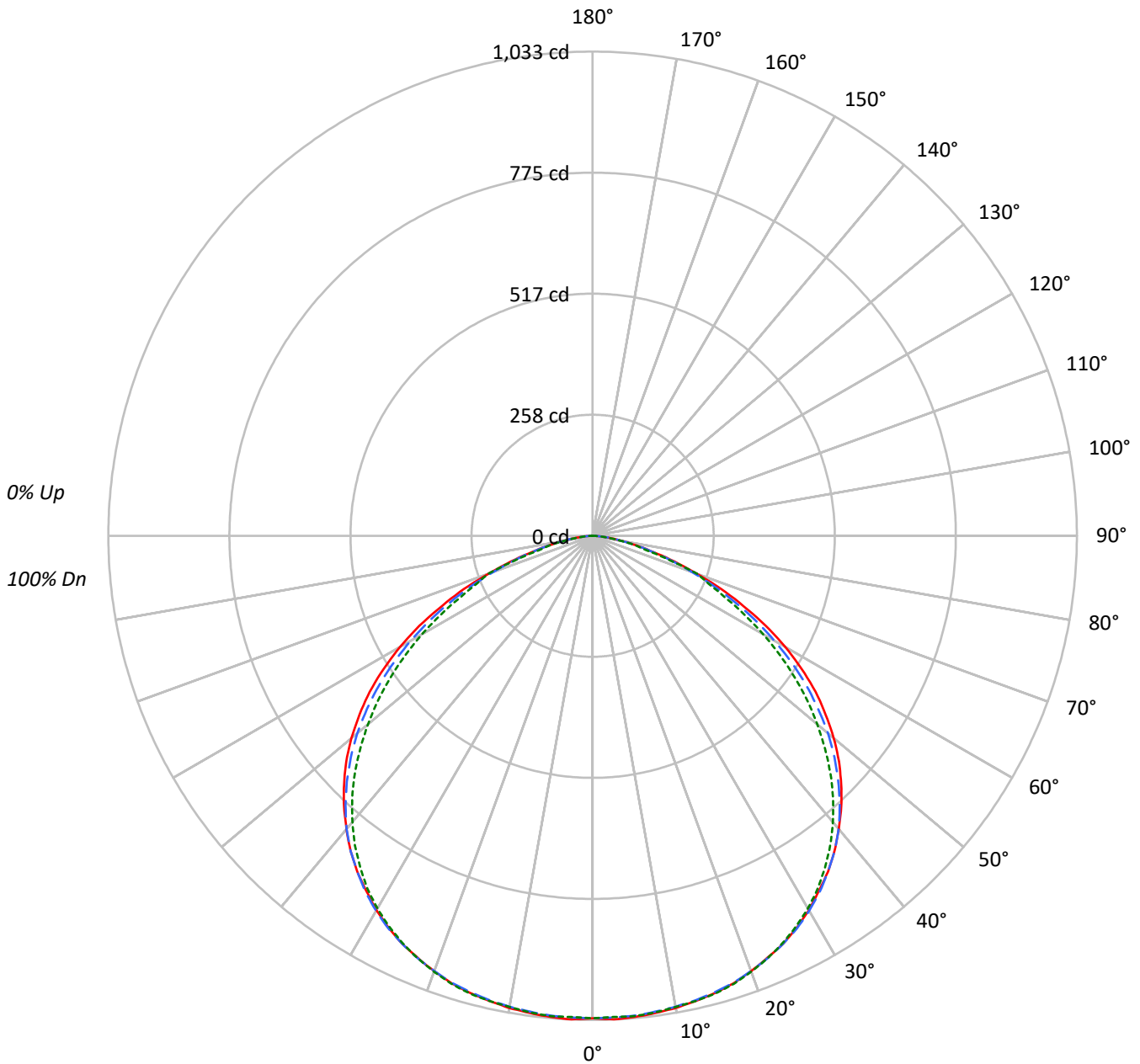
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2931.5 lumens
Efficiency: N/A
Efficacy: 92.2 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

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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	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°	2770	2770	2770
5°	2784	2776	2779
10°	2795	2787	2789
15°	2814	2808	2817
20°	2831	2829	2834
25°	2852	2852	2847
30°	2866	2871	2853
35°	2875	2875	2839
40°	2870	2868	2800
45°	2854	2821	2730
50°	2811	2743	2619
55°	2724	2610	2468
60°	2552	2411	2261
65°	2260	2131	1990
70°	1845	1762	1858
75°	1391	1367	1228
80°	1001	938	938
85°	630	593	522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	3.3
10°-20°	284.9	9.7
20°-30°	442.3	15.1
30°-40°	544.8	18.6
40°-50°	567.2	19.3
50°-60°	493.2	16.8
60°-70°	331.4	11.3
70°-80°	143.4	4.9
80°-90°	26.3	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°	825.1	28.1
0°-40°	1369.9	46.7
0°-60°	2430.4	82.9
0°-90°	2931.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2931.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1030	1024	1028	1030	1029	98
15°	1010	1003	1008	1011	1011	285
25°	961	956	961	961	959	443
35°	875	873	875	868	864	547
45°	750	748	741	724	717	578
55°	581	570	556	534	526	516
65°	355	348	335	319	312	352
75°	134	135	132	134	118	148
85°	20	21	19	17	17	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1029.3	1029.3	1029.3	1029.3	1029.3
2.5°	1032.8	1026.4	1028.7	1032.2	1027.6
5°	1030.5	1024.1	1027.6	1029.9	1028.7
7.5°	1027.0	1022.3	1024.1	1026.4	1025.8
10°	1022.9	1018.3	1020.0	1022.3	1020.6
12.5°	1016.5	1011.3	1014.8	1017.1	1016.5
15°	1010.1	1003.1	1007.8	1011.3	1011.3
17.5°	1000.8	995.0	999.7	1002.6	1002.0
20°	988.6	984.5	988.0	990.3	989.8
22.5°	974.6	971.7	975.8	975.8	975.8
25°	960.7	956.0	960.7	960.7	958.9
27.5°	942.6	938.6	944.4	942.6	939.7
30°	922.3	919.9	924.0	921.1	918.2
32.5°	898.4	897.2	901.3	895.5	893.2
35°	875.1	872.8	875.1	867.6	864.1
37.5°	847.8	845.5	847.8	837.9	832.7
40°	816.9	815.2	816.4	803.6	797.2
42.5°	784.9	783.2	780.3	764.6	759.3
45°	750.0	747.7	741.3	724.4	717.4
47.5°	712.8	708.7	699.4	681.4	672.1
50°	671.5	665.7	655.2	635.4	625.5
52.5°	626.7	619.7	606.3	586.5	577.2
55°	580.7	570.2	556.3	534.2	526.0
57.5°	528.3	517.3	502.7	482.4	473.1
60°	474.2	463.2	448.0	429.4	420.1
62.5°	416.6	406.7	391.6	374.1	366.0
65°	354.9	348.5	334.6	318.9	312.5
67.5°	296.8	290.4	278.7	265.3	267.7
70°	234.5	233.9	224.0	214.7	236.2
72.5°	182.7	181.5	176.3	171.7	170.5
75°	133.8	135.0	131.5	134.4	118.1
77.5°	94.3	95.4	94.8	86.7	90.8
80°	64.6	64.6	60.5	57.6	60.5
82.5°	39.0	46.5	41.9	34.3	33.2
85°	20.4	20.9	19.2	16.9	16.9
87.5°	7.6	8.7	7.6	7.0	6.4
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)