

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: P505905

Luminaire Tested: **14PD-35-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505905
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-L935
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 3500K LEDS
Light Source: -
Ballast/Driver: -

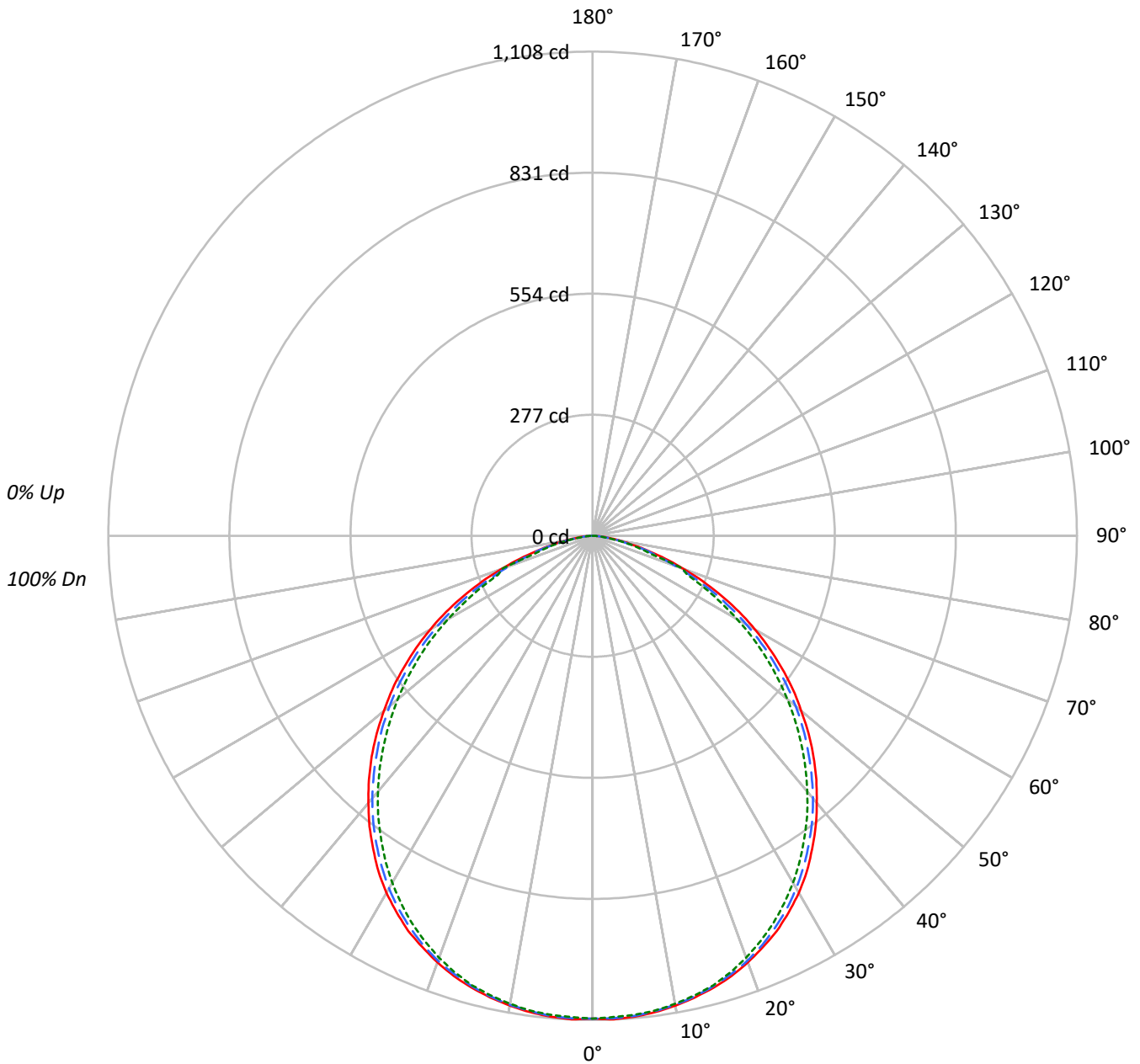
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2844.0 lumens
Efficiency: N/A
Efficacy: 89.4 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

TEST NUMBER: P505905
CATALOG NUMBER: 14PD-35-PR1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P505905

CATALOG NUMBER: 14PD-35-PR1-L935

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	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°	2974	2974	2974
5°	2984	2979	2972
10°	2984	2978	2972
15°	2983	2973	2967
20°	2975	2964	2942
25°	2963	2937	2904
30°	2932	2895	2849
35°	2875	2832	2775
40°	2803	2755	2684
45°	2720	2654	2570
50°	2608	2539	2436
55°	2480	2383	2270
60°	2309	2189	2053
65°	2074	1927	1802
70°	1744	1589	1718
75°	1343	1291	1161
80°	967	865	823
85°	593	506	457



TEST NUMBER: P505905

CATALOG NUMBER: 14PD-35-PR1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	3.7
10°-20°	300.9	10.6
20°-30°	454.6	16.0
30°-40°	537.8	18.9
40°-50°	536.2	18.9
50°-60°	453.0	15.9
60°-70°	301.8	10.6
70°-80°	131.1	4.6
80°-90°	23.8	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°	860.3	30.2
0°-40°	1398.1	49.2
0°-60°	2387.3	83.9
0°-90°	2844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2844.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1105	1105	1105	1105	1105	
5°	1105	1100	1103	1102	1100	105
15°	1071	1066	1067	1066	1065	302
25°	998	991	989	980	978	459
35°	875	869	862	851	845	547
45°	715	708	697	682	675	550
55°	529	525	508	492	484	472
65°	326	322	303	290	283	322
75°	129	126	124	120	112	141
85°	19	20	16	15	15	26
90°	0	0	0	0	0	



TEST NUMBER: P505905

CATALOG NUMBER: 14PD-35-PR1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1105.1	1105.1	1105.1	1105.1	1105.1
2.5°	1107.8	1102.9	1105.1	1105.1	1102.4
5°	1104.6	1100.2	1102.9	1101.8	1100.2
7.5°	1099.6	1095.2	1096.9	1096.3	1095.8
10°	1092.0	1087.6	1089.8	1088.7	1087.6
12.5°	1082.1	1077.7	1079.9	1078.3	1077.2
15°	1070.6	1065.7	1067.3	1065.7	1065.1
17.5°	1056.4	1051.5	1052.0	1049.8	1047.6
20°	1038.9	1034.5	1035.0	1029.6	1027.4
22.5°	1018.6	1014.2	1013.7	1006.6	1003.8
25°	997.8	991.3	989.1	980.3	978.1
27.5°	971.5	965.5	962.2	952.9	948.6
30°	943.6	937.1	931.6	921.2	916.8
32.5°	911.9	905.3	898.2	887.3	882.3
35°	875.2	869.2	862.1	850.6	844.6
37.5°	838.5	832.0	824.9	811.2	806.2
40°	798.0	792.0	784.4	769.6	764.1
42.5°	757.5	750.4	741.1	726.9	720.9
45°	714.8	708.3	697.3	682.5	675.4
47.5°	670.0	664.5	653.0	637.1	629.5
50°	622.9	618.5	606.5	588.9	581.8
52.5°	578.0	572.0	558.3	540.8	533.1
55°	528.7	524.9	507.9	491.5	483.9
57.5°	479.5	474.6	457.6	441.2	434.0
60°	429.1	424.7	406.7	390.3	381.5
62.5°	378.2	373.3	354.1	339.4	331.1
65°	325.7	321.8	302.7	289.5	283.0
67.5°	273.1	270.4	250.1	239.2	234.3
70°	221.7	217.8	202.0	197.6	218.4
72.5°	174.1	169.1	155.4	148.3	142.9
75°	129.2	126.4	124.2	119.9	111.7
77.5°	90.9	90.3	82.6	76.6	82.6
80°	62.4	64.6	55.8	50.9	53.1
82.5°	38.3	42.7	33.4	29.6	28.5
85°	19.2	19.7	16.4	15.3	14.8
87.5°	7.1	8.2	7.1	6.0	6.0
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)