

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: P505916

Luminaire Tested: **14PD-35-PW1-L950**

Issue Date: 3/26/2021



**Test Information**

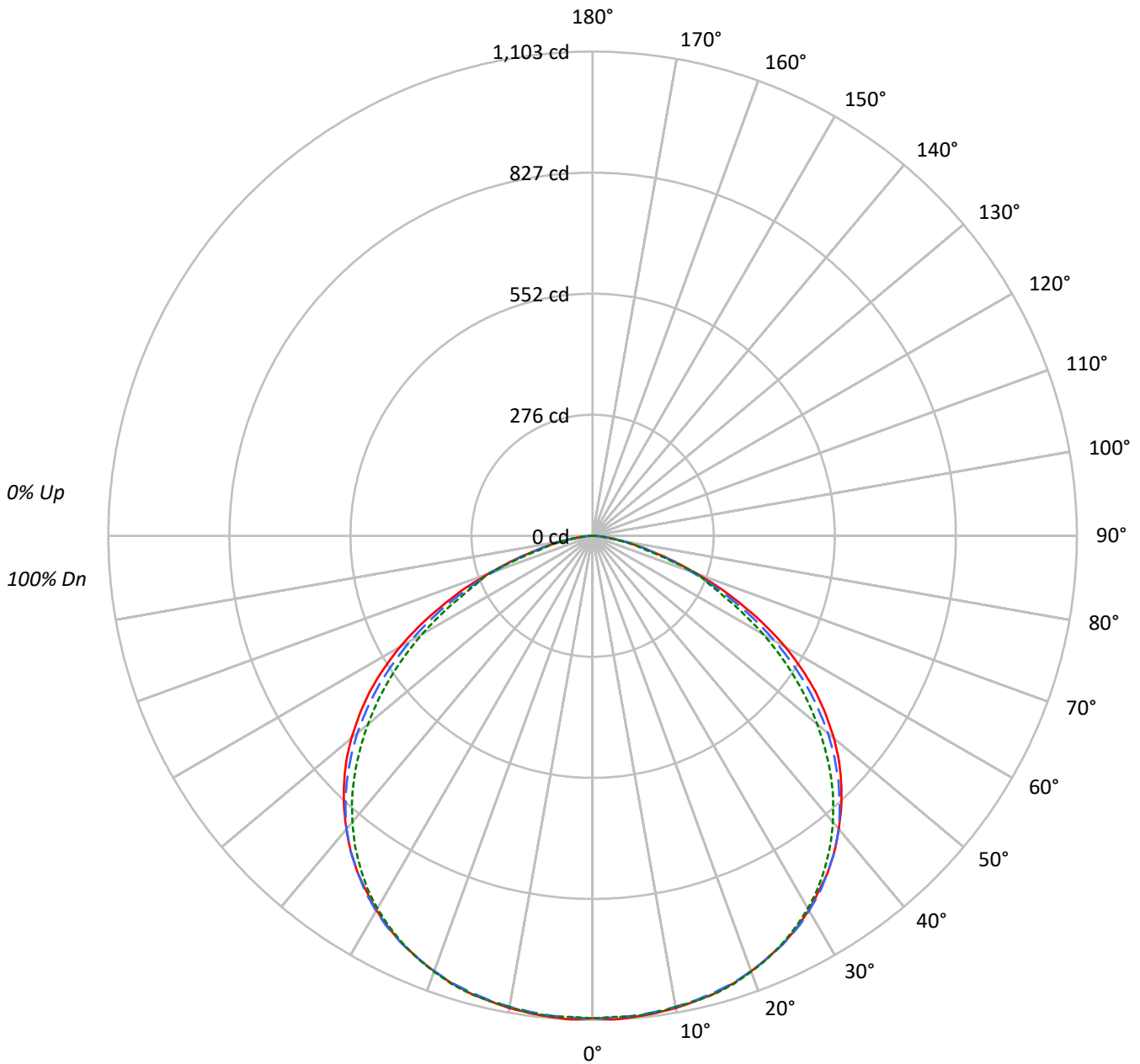
Test Method: LM-79-08  
Report Number: P505916  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-35-PW1-L950  
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3130.5 lumens  
Efficiency: N/A  
Efficacy: 98.4 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<sub>in</sub>): 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: P505916  
CATALOG NUMBER: 14PD-35-PW1-L950

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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				100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72				72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52				52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2958	2958	2958
5°	2972	2964	2968
10°	2985	2977	2978
15°	3005	2998	3009
20°	3023	3021	3027
25°	3046	3046	3040
30°	3060	3066	3047
35°	3070	3070	3031
40°	3065	3062	2990
45°	3048	3013	2915
50°	3002	2929	2797
55°	2909	2787	2635
60°	2725	2575	2414
65°	2413	2275	2125
70°	1970	1882	1985
75°	1486	1460	1311
80°	1069	1001	1001
85°	670	633	556



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.5	3.3
10°-20°	304.3	9.7
20°-30°	472.4	15.1
30°-40°	581.8	18.6
40°-50°	605.7	19.3
50°-60°	526.7	16.8
60°-70°	353.9	11.3
70°-80°	153.2	4.9
80°-90°	28.1	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°	881.1	28.1
0°-40°	1462.9	46.7
0°-60°	2595.3	82.9
0°-90°	3130.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3130.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1099	1099	1099	1099	1099	
5°	1100	1094	1097	1100	1099	105
15°	1079	1071	1076	1080	1080	305
25°	1026	1021	1026	1026	1024	473
35°	934	932	934	926	923	584
45°	801	798	792	774	766	617
55°	620	609	594	570	562	551
65°	379	372	357	340	334	375
75°	143	144	140	144	126	158
85°	22	22	20	18	18	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1099.2	1099.2	1099.2	1099.2	1099.2
2.5°	1102.9	1096.1	1098.6	1102.3	1097.3
5°	1100.4	1093.6	1097.3	1099.8	1098.6
7.5°	1096.7	1091.7	1093.6	1096.1	1095.5
10°	1092.4	1087.4	1089.3	1091.7	1089.9
12.5°	1085.5	1079.9	1083.7	1086.1	1085.5
15°	1078.7	1071.2	1076.2	1079.9	1079.9
17.5°	1068.7	1062.5	1067.5	1070.6	1070.0
20°	1055.7	1051.4	1055.1	1057.6	1056.9
22.5°	1040.8	1037.7	1042.0	1042.0	1042.0
25°	1025.9	1020.9	1025.9	1025.9	1024.0
27.5°	1006.6	1002.3	1008.5	1006.6	1003.5
30°	984.9	982.4	986.7	983.6	980.5
32.5°	959.4	958.1	962.5	956.3	953.8
35°	934.5	932.0	934.5	926.5	922.7
37.5°	905.3	902.8	905.3	894.8	889.2
40°	872.4	870.5	871.8	858.1	851.3
42.5°	838.2	836.4	833.3	816.5	810.9
45°	800.9	798.5	791.6	773.6	766.1
47.5°	761.2	756.8	746.9	727.6	717.7
50°	717.1	710.8	699.7	678.5	668.0
52.5°	669.2	661.8	647.5	626.3	616.4
55°	620.1	608.9	594.0	570.4	561.7
57.5°	564.2	552.4	536.9	515.1	505.2
60°	506.4	494.6	478.5	458.6	448.6
62.5°	444.9	434.3	418.2	399.5	390.8
65°	379.0	372.2	357.3	340.5	333.7
67.5°	316.9	310.1	297.6	283.3	285.8
70°	250.4	249.8	239.2	229.3	252.3
72.5°	195.1	193.9	188.3	183.3	182.1
75°	142.9	144.2	140.4	143.5	126.1
77.5°	100.7	101.9	101.3	92.6	96.9
80°	69.0	69.0	64.6	61.5	64.6
82.5°	41.6	49.7	44.7	36.7	35.4
85°	21.7	22.4	20.5	18.0	18.0
87.5°	8.1	9.3	8.1	7.5	6.8
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)