

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: P506267

Luminaire Tested: **22PD-35-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-35-PW1-L950
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

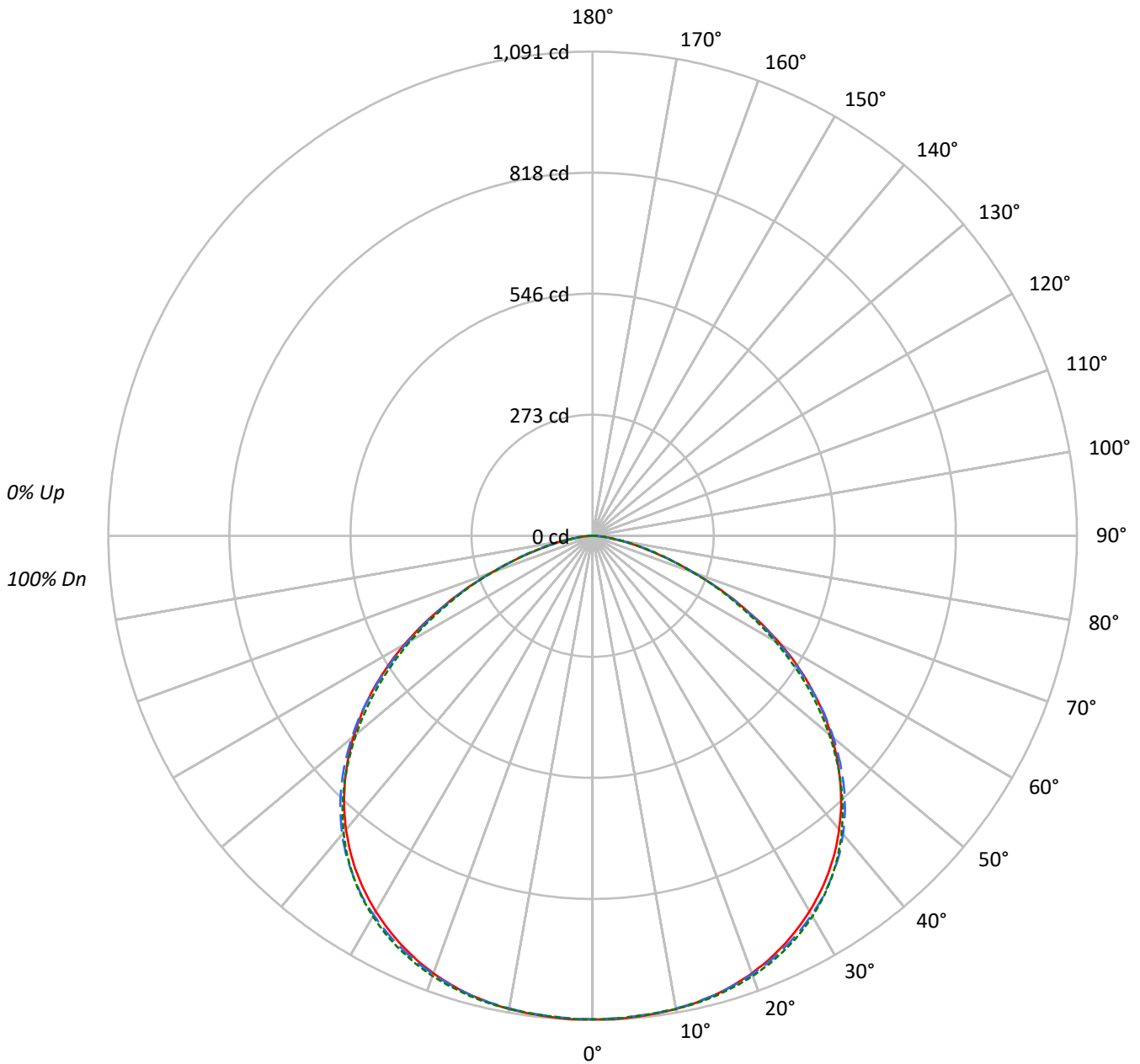
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3149.6 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	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°	2932	2932	2932
5°	2940	2936	2937
10°	2959	2955	2958
15°	2982	2981	2990
20°	3004	3011	3023
25°	3022	3040	3053
30°	3037	3066	3077
35°	3045	3084	3086
40°	3035	3085	3067
45°	3005	3048	3011
50°	2944	2965	2912
55°	2830	2817	2764
60°	2634	2605	2551
65°	2323	2301	2257
70°	1902	1912	1872
75°	1441	1490	1477
80°	1044	1086	1068
85°	685	710	756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	3.3
10°-20°	302.6	9.6
20°-30°	471.8	15.0
30°-40°	584.7	18.6
40°-50°	611.9	19.4
50°-60°	533.2	16.9
60°-70°	357.2	11.3
70°-80°	154.8	4.9
80°-90°	29.8	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°	878.0	27.9
0°-40°	1462.7	46.4
0°-60°	2607.8	82.8
0°-90°	3149.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3149.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1088	1087	1087	1086	1087	104
15°	1070	1069	1070	1071	1073	302
25°	1018	1018	1024	1027	1028	469
35°	927	930	939	940	939	579
45°	790	794	801	794	791	608
55°	603	603	600	594	589	537
65°	365	363	361	358	354	361
75°	139	141	143	142	142	153
85°	22	24	23	23	24	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1089.6	1089.6	1089.6	1089.6	1089.6
2.5°	1090.7	1088.8	1088.4	1088.4	1089.6
5°	1088.4	1087.2	1086.9	1086.5	1087.2
7.5°	1086.1	1084.5	1084.9	1084.1	1084.9
10°	1083.0	1081.4	1081.4	1081.4	1082.6
12.5°	1077.5	1076.3	1076.7	1077.5	1079.1
15°	1070.5	1068.9	1070.1	1071.3	1073.2
17.5°	1060.8	1059.6	1061.5	1063.5	1065.0
20°	1049.1	1047.9	1051.4	1054.1	1055.7
22.5°	1034.7	1034.3	1039.0	1042.1	1043.2
25°	1017.9	1018.3	1023.8	1026.9	1028.4
27.5°	998.8	999.6	1006.6	1009.4	1010.9
30°	977.4	979.4	986.8	989.1	990.3
32.5°	953.3	956.0	965.0	966.5	966.5
35°	926.8	930.3	938.9	940.0	939.3
37.5°	897.2	901.1	910.8	909.3	908.1
40°	864.1	868.4	878.1	875.0	873.1
42.5°	828.7	833.0	841.5	836.8	834.1
45°	789.7	794.0	801.0	794.4	791.3
47.5°	747.7	752.7	756.2	748.8	744.9
50°	703.3	704.8	708.3	699.8	695.5
52.5°	655.0	655.0	657.7	648.4	643.3
55°	603.2	602.8	600.5	593.9	589.2
57.5°	548.3	546.0	544.4	537.4	531.9
60°	489.5	486.0	484.0	478.2	473.9
62.5°	428.0	426.0	423.7	419.0	414.3
65°	364.9	362.9	361.4	357.9	354.4
67.5°	302.2	301.0	301.0	298.7	298.3
70°	241.8	242.6	243.0	243.0	237.9
72.5°	187.3	187.7	189.6	188.1	187.7
75°	138.6	141.0	143.3	142.1	142.1
77.5°	99.7	103.2	103.2	102.4	101.2
80°	67.4	68.9	70.1	69.7	68.9
82.5°	42.8	44.0	42.8	43.6	44.0
85°	22.2	23.8	23.0	23.4	24.5
87.5°	7.4	8.2	8.6	8.2	8.2
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)