

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: P506258

Luminaire Tested: **22PD-35-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-35-PR1-L950
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

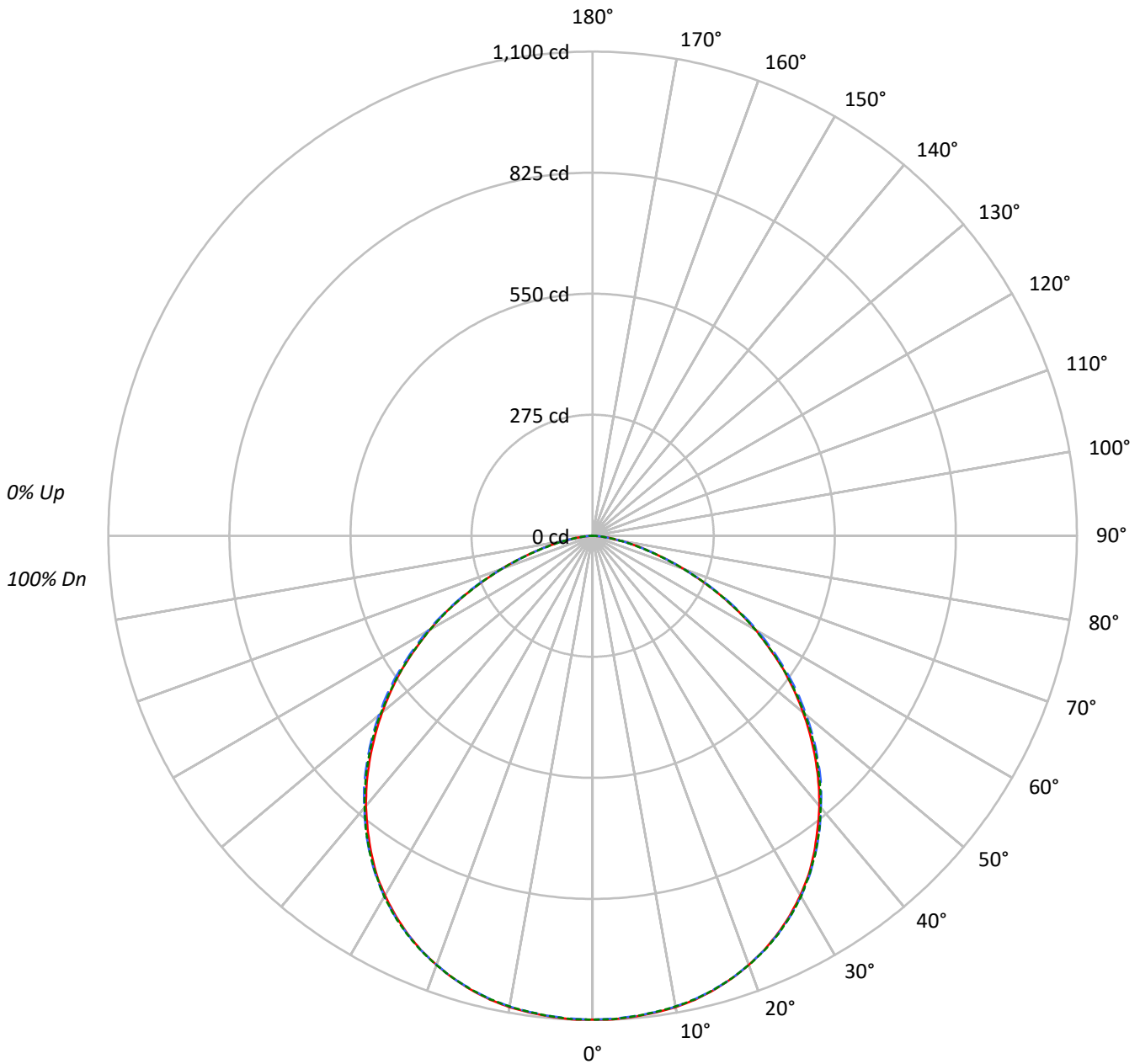
Lumens per Lamp: N/A
Luminaire Lumens: 2937.0 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P506258

CATALOG NUMBER: 22PD-35-PR1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P506258

CATALOG NUMBER: 22PD-35-PR1-L950

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	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85				85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72				72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61				61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53				53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40				40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36				36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29				29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2958	2958	2958
5°	2962	2960	2960
10°	2971	2967	2967
15°	2975	2972	2973
20°	2971	2970	2972
25°	2958	2961	2964
30°	2931	2941	2942
35°	2882	2898	2896
40°	2815	2834	2830
45°	2723	2757	2743
50°	2612	2652	2630
55°	2479	2519	2483
60°	2299	2330	2291
65°	2051	2072	2048
70°	1725	1725	1714
75°	1352	1352	1336
80°	990	979	973
85°	645	645	658



TEST NUMBER: P506258

CATALOG NUMBER: 22PD-35-PR1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	3.6
10°-20°	301.2	10.3
20°-30°	459.4	15.6
30°-40°	550.6	18.7
40°-50°	556.1	18.9
50°-60°	475.8	16.2
60°-70°	320.8	10.9
70°-80°	141.6	4.8
80°-90°	27.2	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°	864.9	29.4
0°-40°	1415.6	48.2
0°-60°	2447.4	83.3
0°-90°	2937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1099	1099	1099	1099	1099	
5°	1097	1095	1096	1095	1096	104
15°	1068	1068	1067	1066	1067	301
25°	996	997	997	997	998	459
35°	877	882	882	881	882	548
45°	715	721	724	723	721	551
55°	528	533	537	536	529	471
65°	322	325	325	325	322	318
75°	130	130	130	130	128	142
85°	21	21	21	21	21	27
90°	0	0	0	0	0	



TEST NUMBER: P506258

CATALOG NUMBER: 22PD-35-PR1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1099.1	1099.1	1099.1	1099.1	1099.1
2.5°	1099.9	1098.4	1098.0	1097.7	1099.1
5°	1096.6	1095.1	1095.8	1095.1	1095.8
7.5°	1092.5	1091.0	1091.4	1090.7	1091.4
10°	1087.4	1085.9	1085.9	1085.2	1085.9
12.5°	1079.3	1078.2	1077.8	1077.1	1078.2
15°	1067.9	1067.5	1066.8	1066.4	1067.2
17.5°	1054.0	1053.2	1054.0	1052.9	1053.6
20°	1037.4	1037.8	1037.1	1037.4	1037.8
22.5°	1018.7	1018.7	1019.1	1019.1	1019.8
25°	996.3	997.4	997.4	997.4	998.1
27.5°	971.3	972.8	973.9	973.2	973.9
30°	943.4	946.0	946.4	946.0	946.7
32.5°	913.3	915.1	916.2	915.5	914.8
35°	877.3	882.5	882.1	881.4	881.7
37.5°	839.5	844.6	846.5	845.0	845.4
40°	801.3	805.7	806.8	807.2	805.7
42.5°	759.1	764.2	768.2	766.4	764.2
45°	715.4	720.9	724.5	723.4	720.9
47.5°	670.2	675.3	680.5	678.6	676.1
50°	623.9	629.1	633.5	632.7	628.3
52.5°	576.6	582.4	586.5	585.0	579.1
55°	528.4	533.2	536.9	536.2	529.2
57.5°	476.3	482.5	484.4	483.3	478.1
60°	427.1	431.1	433.0	431.5	425.6
62.5°	374.6	377.9	379.4	379.0	374.9
65°	322.1	324.6	325.4	324.6	321.7
67.5°	268.1	271.8	272.1	272.1	269.2
70°	219.2	220.3	219.2	222.2	217.8
72.5°	171.9	172.6	171.9	171.9	170.0
75°	130.0	130.4	130.0	130.4	128.5
77.5°	94.0	94.7	93.3	94.4	92.5
80°	63.9	63.9	63.2	63.5	62.8
82.5°	39.7	40.4	39.3	39.3	38.9
85°	20.9	20.9	20.9	21.3	21.3
87.5°	7.3	7.3	7.7	7.7	7.3
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)