

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: P506285

Luminaire Tested: **22PD-40-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506285
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-40-PR1-L950
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

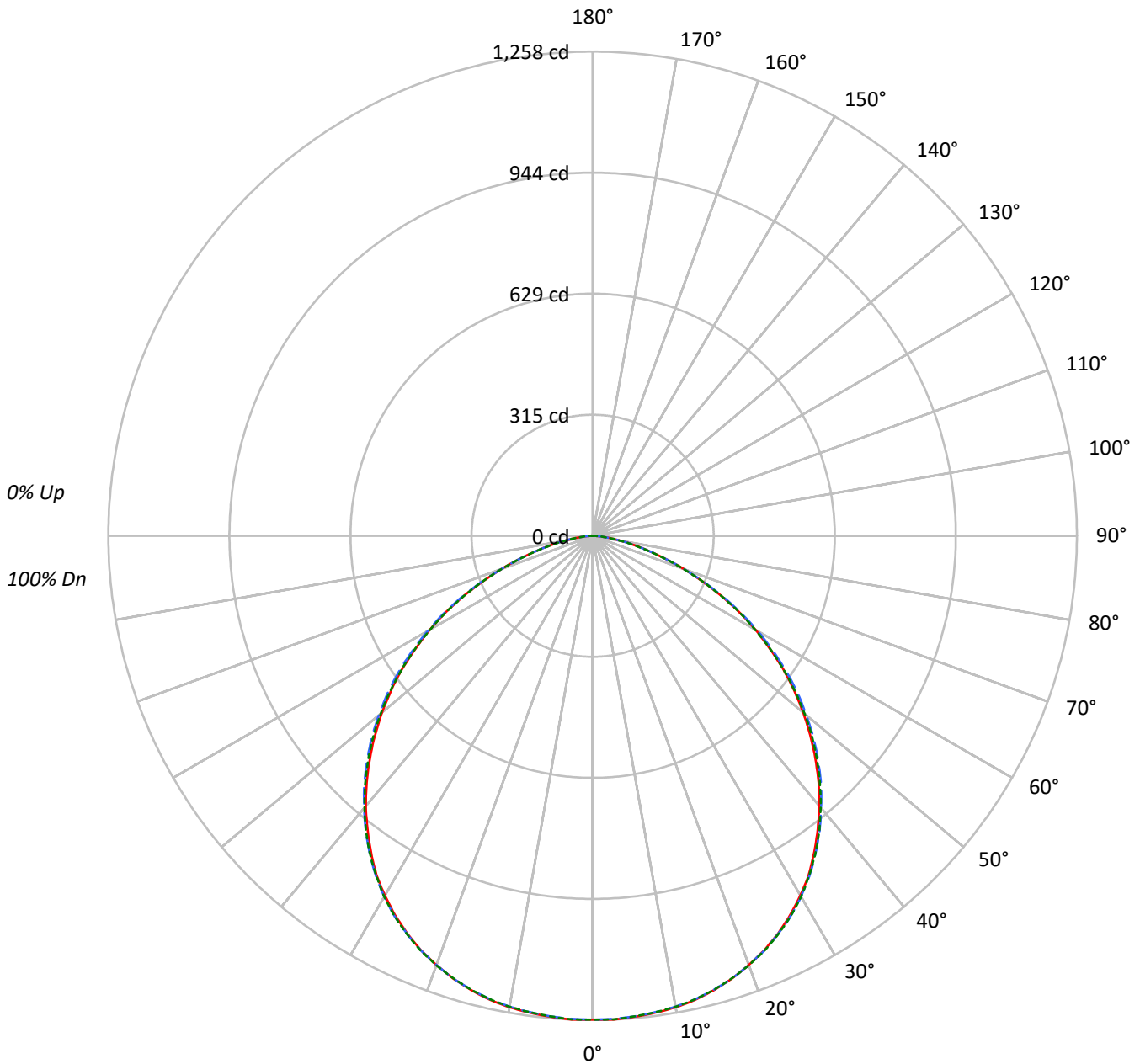
Lumens per Lamp: N/A
Luminaire Lumens: 3360.0 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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: P506285

CATALOG NUMBER: 22PD-40-PR1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P506285

CATALOG NUMBER: 22PD-40-PR1-L950

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3384	3384	3384
5°	3389	3386	3386
10°	3399	3395	3395
15°	3404	3400	3401
20°	3399	3397	3400
25°	3384	3388	3390
30°	3354	3364	3365
35°	3297	3315	3314
40°	3220	3242	3238
45°	3115	3154	3138
50°	2988	3034	3009
55°	2837	2882	2840
60°	2630	2666	2620
65°	2346	2370	2343
70°	1973	1973	1960
75°	1546	1546	1528
80°	1133	1120	1113
85°	738	738	753



TEST NUMBER: P506285

CATALOG NUMBER: 22PD-40-PR1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	3.6
10°-20°	344.6	10.3
20°-30°	525.6	15.6
30°-40°	629.9	18.7
40°-50°	636.2	18.9
50°-60°	544.3	16.2
60°-70°	367.0	10.9
70°-80°	161.9	4.8
80°-90°	31.1	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°	989.5	29.4
0°-40°	1619.4	48.2
0°-60°	2799.9	83.3
0°-90°	3360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3360.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1257	1257	1257	1257	1257	
5°	1254	1253	1254	1253	1254	119
15°	1222	1221	1220	1220	1221	345
25°	1140	1141	1141	1141	1142	525
35°	1004	1010	1009	1008	1009	627
45°	818	825	829	828	825	631
55°	605	610	614	613	605	539
65°	368	371	372	371	368	364
75°	149	149	149	149	147	162
85°	24	24	24	24	24	31
90°	0	0	0	0	0	



TEST NUMBER: P506285

CATALOG NUMBER: 22PD-40-PR1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1257.4	1257.4	1257.4	1257.4	1257.4
2.5°	1258.3	1256.6	1256.2	1255.7	1257.4
5°	1254.5	1252.8	1253.6	1252.8	1253.6
7.5°	1249.9	1248.2	1248.6	1247.8	1248.6
10°	1244.0	1242.3	1242.3	1241.5	1242.3
12.5°	1234.7	1233.5	1233.1	1232.2	1233.5
15°	1221.7	1221.3	1220.5	1220.0	1220.9
17.5°	1205.8	1204.9	1205.8	1204.5	1205.3
20°	1186.8	1187.3	1186.4	1186.8	1187.3
22.5°	1165.4	1165.4	1165.8	1165.8	1166.7
25°	1139.8	1141.1	1141.1	1141.1	1141.9
27.5°	1111.2	1112.9	1114.2	1113.3	1114.2
30°	1079.3	1082.2	1082.7	1082.2	1083.1
32.5°	1044.8	1046.9	1048.2	1047.4	1046.5
35°	1003.7	1009.6	1009.1	1008.3	1008.7
37.5°	960.4	966.3	968.4	966.7	967.1
40°	916.7	921.7	923.0	923.4	921.7
42.5°	868.4	874.3	878.9	876.8	874.3
45°	818.4	824.7	828.9	827.6	824.7
47.5°	766.7	772.6	778.5	776.4	773.4
50°	713.8	719.7	724.7	723.9	718.8
52.5°	659.6	666.3	670.9	669.3	662.5
55°	604.6	610.0	614.2	613.4	605.4
57.5°	544.9	552.0	554.1	552.9	547.0
60°	488.6	493.2	495.3	493.6	486.9
62.5°	428.5	432.3	434.0	433.6	428.9
65°	368.4	371.4	372.2	371.4	368.0
67.5°	306.7	310.9	311.3	311.3	307.9
70°	250.8	252.1	250.8	254.2	249.1
72.5°	196.6	197.5	196.6	196.6	194.5
75°	148.7	149.1	148.7	149.1	147.0
77.5°	107.6	108.4	106.7	108.0	105.9
80°	73.1	73.1	72.3	72.7	71.8
82.5°	45.4	46.2	45.0	45.0	44.5
85°	23.9	23.9	23.9	24.4	24.4
87.5°	8.4	8.4	8.8	8.8	8.4
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)