

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: P506231

Luminaire Tested: **22PD-30-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506231
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-30-PR1-L950
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

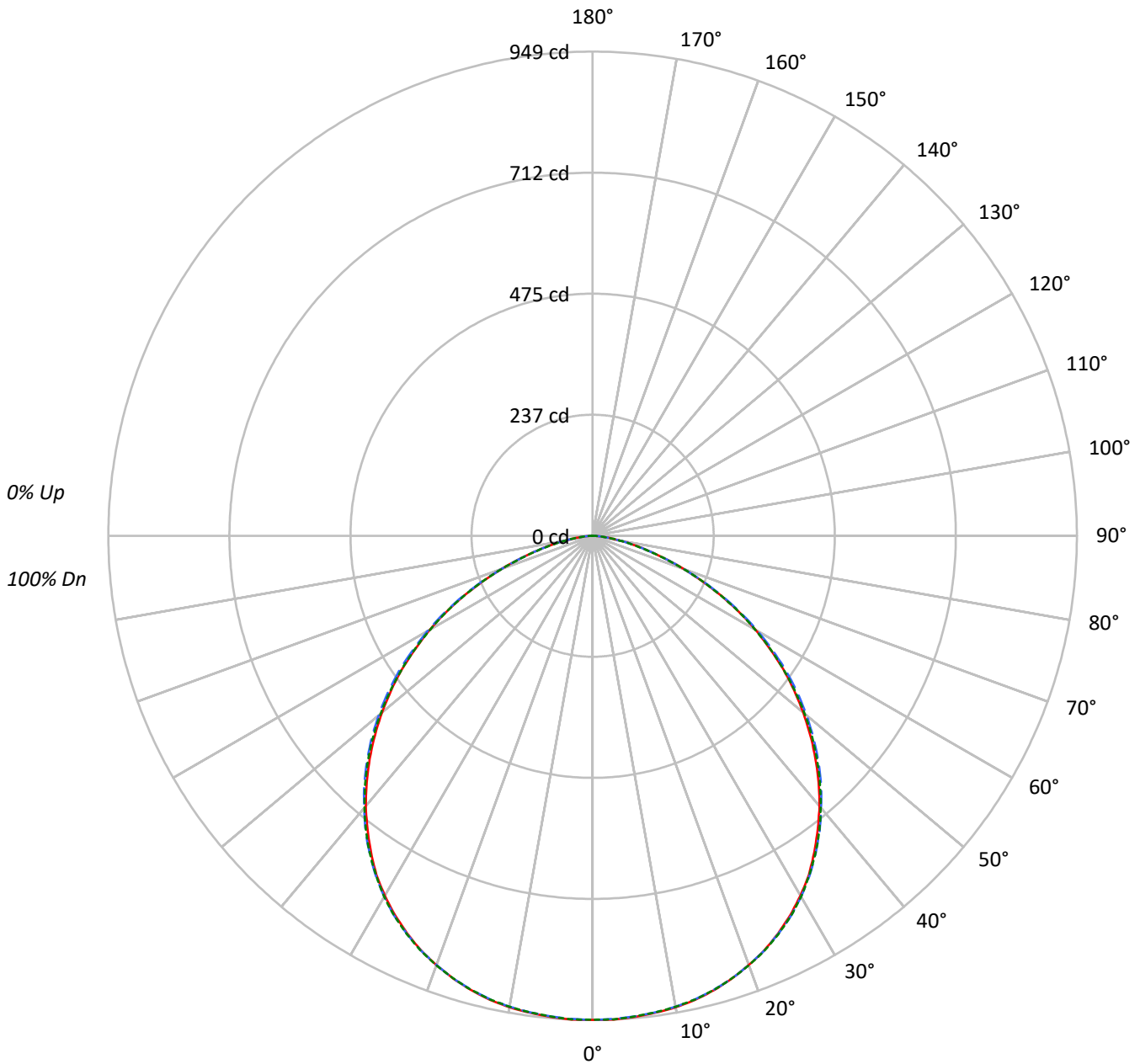
Lumens per Lamp: N/A
Luminaire Lumens: 2535.0 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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: P506231

CATALOG NUMBER: 22PD-30-PR1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P506231

CATALOG NUMBER: 22PD-30-PR1-L950

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	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°	2553	2553	2553
5°	2557	2555	2555
10°	2564	2561	2561
15°	2568	2565	2566
20°	2564	2563	2565
25°	2553	2556	2558
30°	2530	2538	2539
35°	2487	2501	2500
40°	2429	2446	2443
45°	2350	2380	2368
50°	2254	2289	2270
55°	2140	2174	2143
60°	1984	2011	1977
65°	1770	1788	1768
70°	1489	1489	1479
75°	1167	1167	1153
80°	855	845	840
85°	559	559	568



TEST NUMBER: P506231

CATALOG NUMBER: 22PD-30-PR1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	3.6
10°-20°	260.0	10.3
20°-30°	396.6	15.6
30°-40°	475.3	18.7
40°-50°	480.0	18.9
50°-60°	410.7	16.2
60°-70°	276.9	10.9
70°-80°	122.2	4.8
80°-90°	23.5	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°	746.5	29.4
0°-40°	1221.8	48.2
0°-60°	2112.4	83.3
0°-90°	2535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	949	949	949	949	949	
5°	946	945	946	945	946	90
15°	922	921	921	920	921	260
25°	860	861	861	861	862	396
35°	757	762	761	761	761	473
45°	618	622	625	624	622	476
55°	456	460	463	463	457	406
65°	278	280	281	280	278	275
75°	112	112	112	112	111	122
85°	18	18	18	18	18	23
90°	0	0	0	0	0	



TEST NUMBER: P506231

CATALOG NUMBER: 22PD-30-PR1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	948.7	948.7	948.7	948.7	948.7
2.5°	949.3	948.0	947.7	947.4	948.7
5°	946.5	945.2	945.8	945.2	945.8
7.5°	943.0	941.7	942.0	941.4	942.0
10°	938.5	937.3	937.3	936.6	937.3
12.5°	931.6	930.6	930.3	929.7	930.6
15°	921.7	921.4	920.8	920.5	921.1
17.5°	909.7	909.1	909.7	908.7	909.4
20°	895.4	895.7	895.1	895.4	895.7
22.5°	879.3	879.3	879.6	879.6	880.2
25°	859.9	860.9	860.9	860.9	861.5
27.5°	838.4	839.6	840.6	840.0	840.6
30°	814.3	816.5	816.8	816.5	817.1
32.5°	788.3	789.9	790.8	790.2	789.6
35°	757.2	761.7	761.4	760.7	761.0
37.5°	724.6	729.0	730.6	729.3	729.7
40°	691.6	695.4	696.4	696.7	695.4
42.5°	655.2	659.6	663.1	661.5	659.6
45°	617.5	622.2	625.4	624.4	622.2
47.5°	578.5	582.9	587.3	585.8	583.5
50°	538.5	543.0	546.8	546.1	542.3
52.5°	497.6	502.7	506.2	504.9	499.9
55°	456.1	460.2	463.4	462.8	456.7
57.5°	411.1	416.5	418.1	417.1	412.7
60°	368.6	372.1	373.7	372.4	367.4
62.5°	323.3	326.2	327.4	327.1	323.6
65°	278.0	280.2	280.8	280.2	277.7
67.5°	231.4	234.6	234.9	234.9	232.3
70°	189.2	190.2	189.2	191.8	188.0
72.5°	148.3	149.0	148.3	148.3	146.8
75°	112.2	112.5	112.2	112.5	110.9
77.5°	81.1	81.8	80.5	81.5	79.9
80°	55.2	55.2	54.5	54.8	54.2
82.5°	34.2	34.9	33.9	33.9	33.6
85°	18.1	18.1	18.1	18.4	18.4
87.5°	6.3	6.3	6.7	6.7	6.3
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)