

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: P506195

Luminaire Tested: **22PD-25-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-25-PL1-L950
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

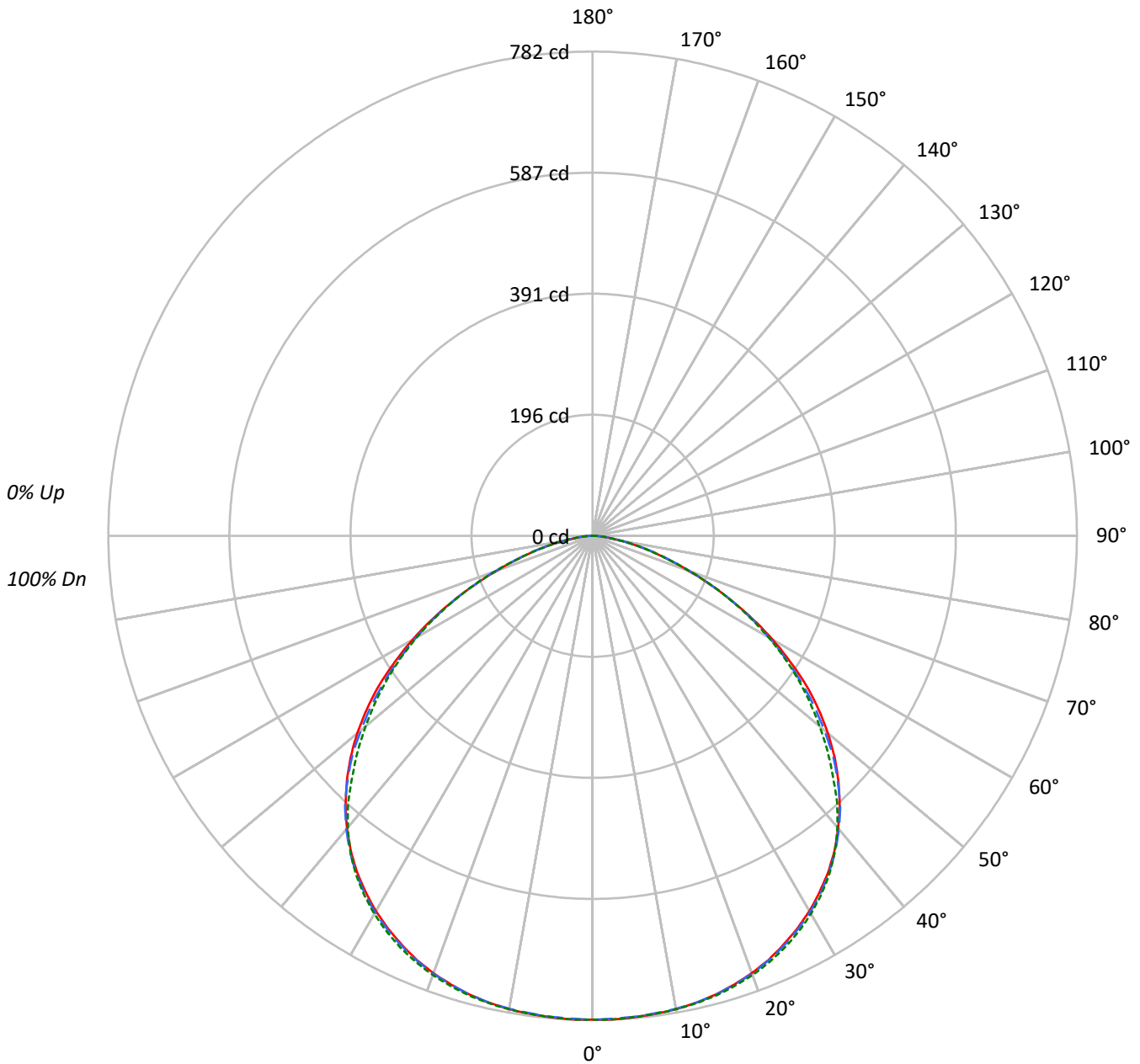
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2213.4 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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: P506195
CATALOG NUMBER: 22PD-25-PL1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P506195

CATALOG NUMBER: 22PD-25-PL1-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	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	100	100	100	100		
	1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85	85	85	85	85	85		
	2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72	72	72	72	72	72		
	3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61	61	61	61	61	61		
	4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52	52	52	52	52	52		
	5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45	45	45	45	45	45		
	6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40	40	40	40	40	40		
	7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35	35	35	35	35	35		
	8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31	31	31	31	31	31		
	9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28	28	28	28	28	28		
	10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25	25	25	25	25	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2103	2103	2103
5°	2109	2106	2107
10°	2122	2120	2122
15°	2137	2137	2142
20°	2153	2155	2162
25°	2164	2169	2180
30°	2175	2182	2191
35°	2178	2186	2190
40°	2167	2173	2159
45°	2136	2130	2087
50°	2076	2043	2002
55°	1975	1925	1903
60°	1808	1774	1764
65°	1577	1573	1568
70°	1293	1314	1310
75°	1024	1042	1024
80°	750	747	742
85°	500	494	528



TEST NUMBER: P506195
 CATALOG NUMBER: 22PD-25-PL1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	3.4
10°-20°	216.8	9.8
20°-30°	337.0	15.2
30°-40°	415.5	18.8
40°-50°	429.2	19.4
50°-60°	367.2	16.6
60°-70°	245.1	11.1
70°-80°	107.5	4.9
80°-90°	20.8	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°	628.2	28.4
0°-40°	1043.6	47.1
0°-60°	1840.0	83.1
0°-90°	2213.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2213.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	781	780	780	779	780	74
15°	767	766	767	768	769	217
25°	729	729	730	733	734	336
35°	663	663	665	667	667	414
45°	561	561	560	554	548	432
55°	421	416	410	408	406	374
65°	248	247	247	248	246	246
75°	98	98	100	100	98	107
85°	16	16	16	16	17	21
90°	0	0	0	0	0	



TEST NUMBER: P506195

CATALOG NUMBER: 22PD-25-PL1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	781.5	781.5	781.5	781.5	781.5
2.5°	782.0	780.9	780.6	780.6	782.0
5°	780.6	779.5	779.8	779.2	780.1
7.5°	778.7	777.6	777.9	777.6	778.7
10°	776.5	775.4	775.7	775.4	776.5
12.5°	772.6	771.8	772.4	772.6	773.5
15°	767.1	766.3	767.1	767.7	768.8
17.5°	760.0	759.4	760.3	761.1	762.5
20°	751.7	751.2	752.6	753.4	755.0
22.5°	741.6	741.0	742.4	744.3	745.4
25°	728.9	728.9	730.5	732.7	734.1
27.5°	715.4	715.1	717.1	719.3	720.6
30°	700.0	699.5	702.2	704.1	705.0
32.5°	682.1	682.4	684.9	686.8	687.1
35°	663.1	663.1	665.3	666.7	666.7
37.5°	641.4	641.1	643.3	643.9	643.0
40°	616.9	617.2	618.6	618.3	614.7
42.5°	590.5	590.8	591.9	588.0	584.4
45°	561.3	561.0	559.7	554.4	548.4
47.5°	530.2	528.9	526.7	518.7	514.3
50°	495.8	493.6	488.1	481.8	478.2
52.5°	459.5	455.7	450.2	445.2	442.2
55°	421.0	415.8	410.3	408.1	405.6
57.5°	378.1	374.8	370.1	369.0	367.3
60°	336.0	332.4	329.6	329.6	327.7
62.5°	291.9	289.7	288.6	289.2	287.3
65°	247.6	247.1	247.1	247.9	246.3
67.5°	204.7	205.8	205.5	208.3	206.1
70°	164.3	166.2	167.0	169.8	166.5
72.5°	129.3	129.6	130.7	131.5	129.9
75°	98.5	97.7	100.2	99.6	98.5
77.5°	71.3	70.7	71.5	72.1	70.7
80°	48.4	47.9	48.2	49.0	47.9
82.5°	30.5	30.0	30.0	30.8	30.5
85°	16.2	16.0	16.0	16.5	17.1
87.5°	5.8	5.5	5.8	5.8	5.8
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)