

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: P506199

Luminaire Tested: **22PD-25-PR1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506199
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-25-PR1-L850
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

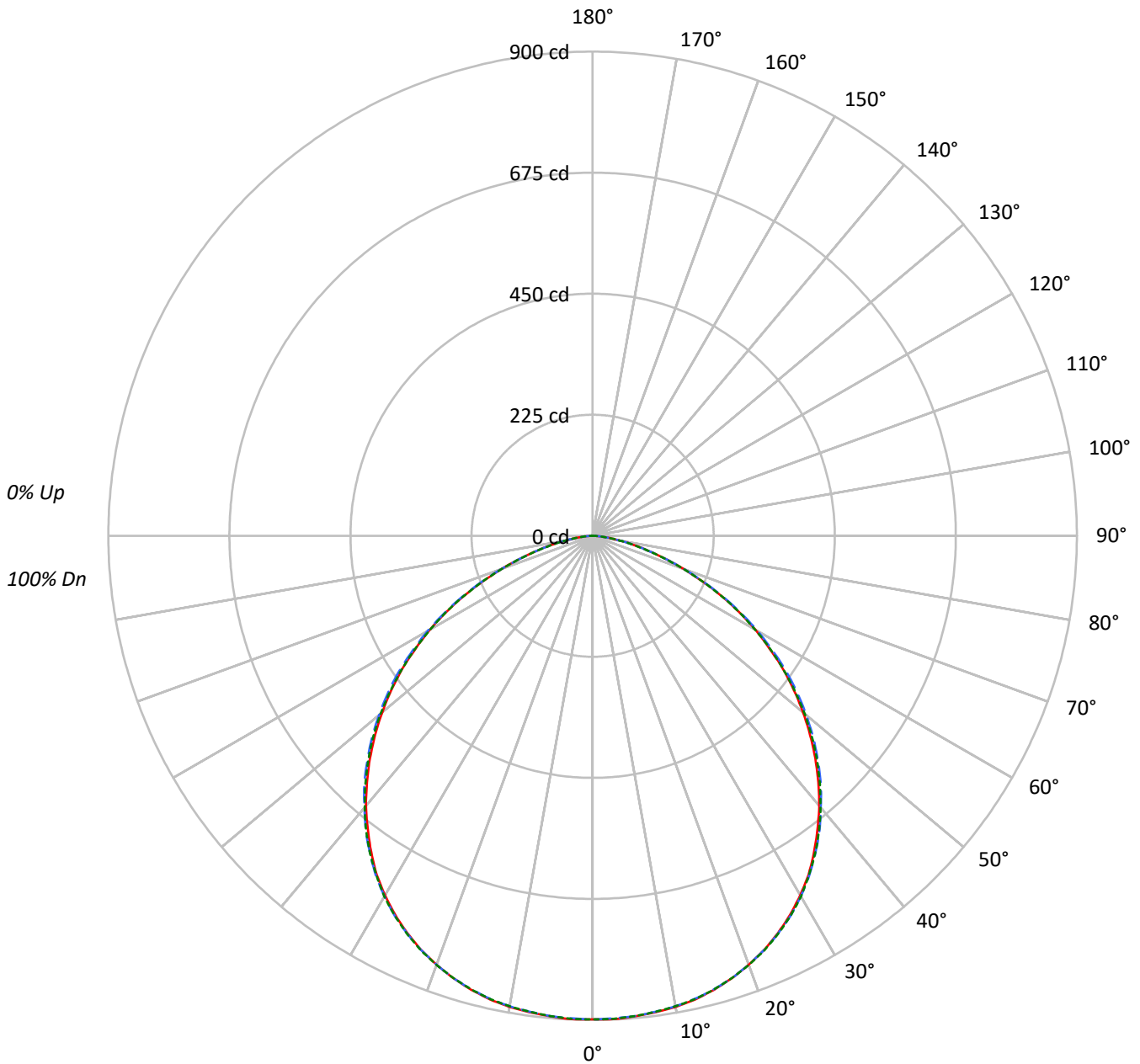
Lumens per Lamp: N/A
Luminaire Lumens: 2402.0 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P506199

CATALOG NUMBER: 22PD-25-PR1-L850

Luminous Intensity Polar Plot





TEST NUMBER: P506199

CATALOG NUMBER: 22PD-25-PR1-L850

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°	2419	2419	2419
5°	2422	2421	2421
10°	2430	2427	2427
15°	2433	2431	2432
20°	2430	2429	2431
25°	2419	2422	2424
30°	2398	2405	2406
35°	2357	2370	2369
40°	2302	2318	2315
45°	2227	2255	2244
50°	2136	2169	2151
55°	2028	2060	2031
60°	1880	1906	1873
65°	1677	1694	1675
70°	1411	1411	1401
75°	1105	1105	1093
80°	810	801	797
85°	528	528	537



TEST NUMBER: P506199

CATALOG NUMBER: 22PD-25-PR1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	3.6
10°-20°	246.3	10.3
20°-30°	375.8	15.6
30°-40°	450.3	18.7
40°-50°	454.8	18.9
50°-60°	389.1	16.2
60°-70°	262.4	10.9
70°-80°	115.8	4.8
80°-90°	22.2	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°	707.4	29.4
0°-40°	1157.7	48.2
0°-60°	2001.6	83.3
0°-90°	2402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	899	899	899	899	899	
5°	897	896	896	896	896	85
15°	873	873	872	872	873	247
25°	815	816	816	816	816	375
35°	718	722	721	721	721	448
45°	585	590	593	592	590	451
55°	432	436	439	438	433	385
65°	263	266	266	266	263	260
75°	106	107	106	107	105	116
85°	17	17	17	17	17	22
90°	0	0	0	0	0	



TEST NUMBER: P506199

CATALOG NUMBER: 22PD-25-PR1-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	898.9	898.9	898.9	898.9	898.9
2.5°	899.5	898.3	898.0	897.7	898.9
5°	896.8	895.6	896.2	895.6	896.2
7.5°	893.5	892.3	892.6	892.0	892.6
10°	889.3	888.1	888.1	887.5	888.1
12.5°	882.7	881.8	881.5	880.9	881.8
15°	873.4	873.1	872.5	872.2	872.8
17.5°	862.0	861.4	862.0	861.1	861.7
20°	848.5	848.8	848.2	848.5	848.8
22.5°	833.1	833.1	833.4	833.4	834.0
25°	814.8	815.7	815.7	815.7	816.3
27.5°	794.4	795.6	796.5	795.9	796.5
30°	771.6	773.7	774.0	773.7	774.3
32.5°	746.9	748.4	749.3	748.7	748.1
35°	717.5	721.7	721.4	720.8	721.1
37.5°	686.6	690.8	692.3	691.1	691.4
40°	655.3	658.9	659.8	660.1	658.9
42.5°	620.8	625.0	628.3	626.8	625.0
45°	585.1	589.6	592.6	591.7	589.6
47.5°	548.1	552.3	556.5	555.0	552.9
50°	510.3	514.5	518.1	517.5	513.9
52.5°	471.5	476.3	479.6	478.4	473.6
55°	432.2	436.1	439.1	438.5	432.8
57.5°	389.5	394.6	396.1	395.2	391.0
60°	349.3	352.6	354.1	352.9	348.1
62.5°	306.3	309.0	310.2	309.9	306.6
65°	263.4	265.5	266.1	265.5	263.1
67.5°	219.2	222.2	222.5	222.5	220.1
70°	179.3	180.2	179.3	181.7	178.1
72.5°	140.6	141.2	140.6	140.6	139.1
75°	106.3	106.6	106.3	106.6	105.1
77.5°	76.9	77.5	76.3	77.2	75.7
80°	52.3	52.3	51.7	52.0	51.4
82.5°	32.4	33.0	32.1	32.1	31.8
85°	17.1	17.1	17.1	17.4	17.4
87.5°	6.0	6.0	6.3	6.3	6.0
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)