

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: P506204

Luminaire Tested: **22PD-25-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506204
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-L950
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

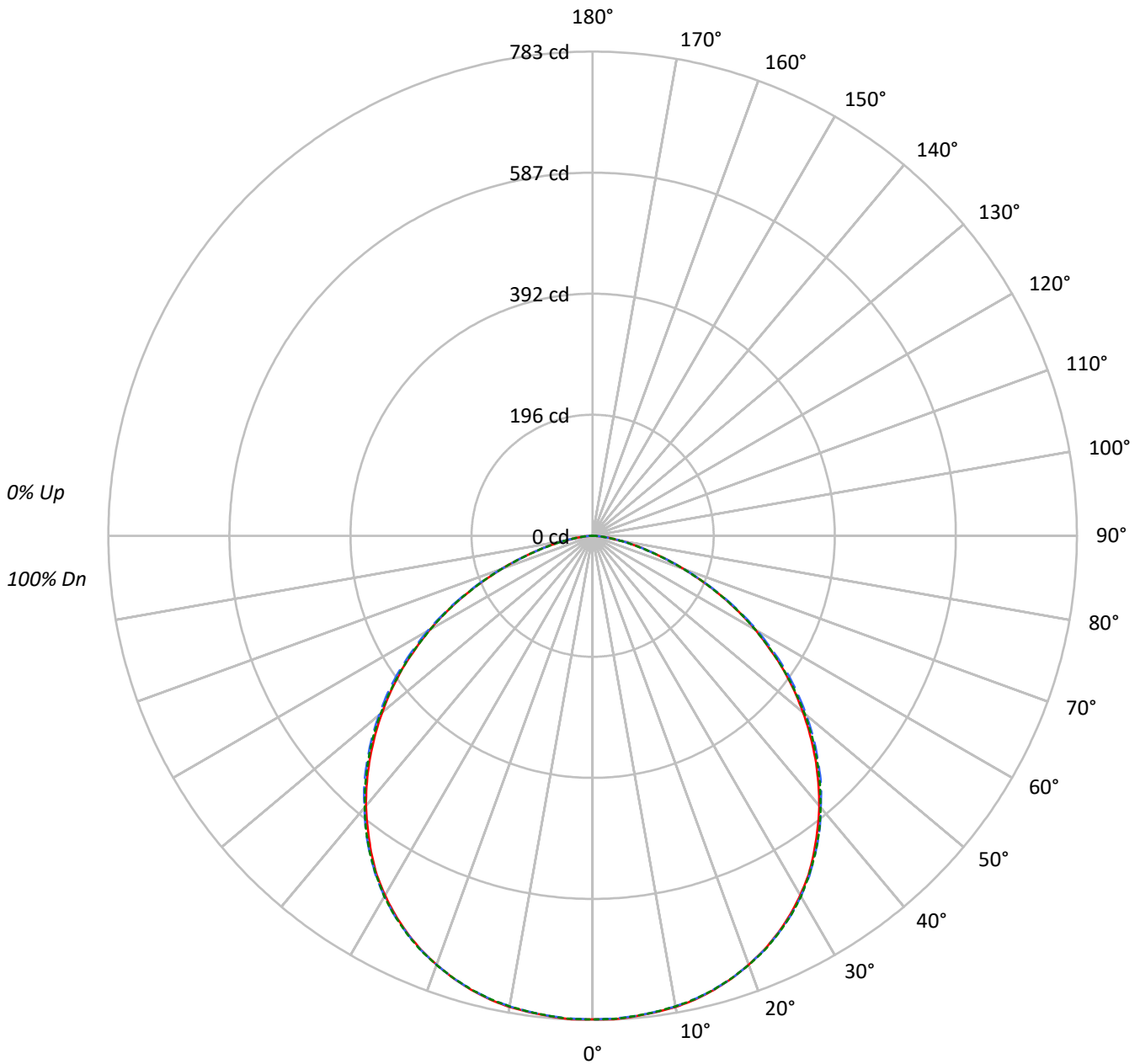
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2090.0 lumens
Efficiency: N/A
Efficacy: 105.0 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): 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

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Luminous Intensity Polar Plot





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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°	2105	2105	2105
5°	2108	2106	2106
10°	2114	2111	2111
15°	2117	2115	2116
20°	2114	2113	2115
25°	2105	2108	2109
30°	2086	2092	2093
35°	2051	2062	2061
40°	2003	2017	2014
45°	1937	1962	1952
50°	1859	1887	1872
55°	1764	1793	1767
60°	1636	1658	1630
65°	1459	1474	1457
70°	1227	1227	1220
75°	962	962	951
80°	705	696	693
85°	460	460	469



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	3.6
10°-20°	214.3	10.3
20°-30°	326.9	15.6
30°-40°	391.8	18.7
40°-50°	395.7	18.9
50°-60°	338.6	16.2
60°-70°	228.3	10.9
70°-80°	100.7	4.8
80°-90°	19.3	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°	615.5	29.4
0°-40°	1007.3	48.2
0°-60°	1741.6	83.3
0°-90°	2090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	780	779	780	779	780	74
15°	760	760	759	759	759	214
25°	709	710	710	710	710	327
35°	624	628	628	627	627	390
45°	509	513	516	515	513	392
55°	376	379	382	382	377	335
65°	229	231	232	231	229	227
75°	92	93	92	93	92	101
85°	15	15	15	15	15	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	782.1	782.1	782.1	782.1	782.1
2.5°	782.7	781.6	781.4	781.1	782.1
5°	780.3	779.3	779.8	779.3	779.8
7.5°	777.4	776.4	776.7	776.1	776.7
10°	773.8	772.7	772.7	772.2	772.7
12.5°	768.0	767.3	767.0	766.5	767.3
15°	759.9	759.7	759.2	758.9	759.4
17.5°	750.0	749.5	750.0	749.2	749.7
20°	738.2	738.5	738.0	738.2	738.5
22.5°	724.9	724.9	725.2	725.2	725.7
25°	709.0	709.8	709.8	709.8	710.3
27.5°	691.2	692.3	693.0	692.5	693.0
30°	671.3	673.2	673.4	673.2	673.7
32.5°	649.9	651.2	652.0	651.5	651.0
35°	624.3	628.0	627.7	627.2	627.4
37.5°	597.4	601.0	602.4	601.3	601.6
40°	570.2	573.3	574.1	574.4	573.3
42.5°	540.2	543.8	546.7	545.4	543.8
45°	509.1	513.0	515.6	514.8	513.0
47.5°	476.9	480.6	484.2	482.9	481.1
50°	444.0	447.7	450.8	450.3	447.1
52.5°	410.3	414.5	417.3	416.3	412.1
55°	376.0	379.4	382.1	381.5	376.6
57.5°	338.9	343.4	344.7	343.9	340.2
60°	303.9	306.8	308.1	307.1	302.9
62.5°	266.6	268.9	269.9	269.7	266.8
65°	229.2	231.0	231.5	231.0	228.9
67.5°	190.8	193.4	193.6	193.6	191.6
70°	156.0	156.8	156.0	158.1	155.0
72.5°	122.3	122.8	122.3	122.3	121.0
75°	92.5	92.8	92.5	92.8	91.5
77.5°	66.9	67.4	66.4	67.2	65.9
80°	45.5	45.5	44.9	45.2	44.7
82.5°	28.2	28.7	28.0	28.0	27.7
85°	14.9	14.9	14.9	15.2	15.2
87.5°	5.2	5.2	5.5	5.5	5.2
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)