

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: P506200

Luminaire Tested: **22PD-25-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506200
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-L927
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

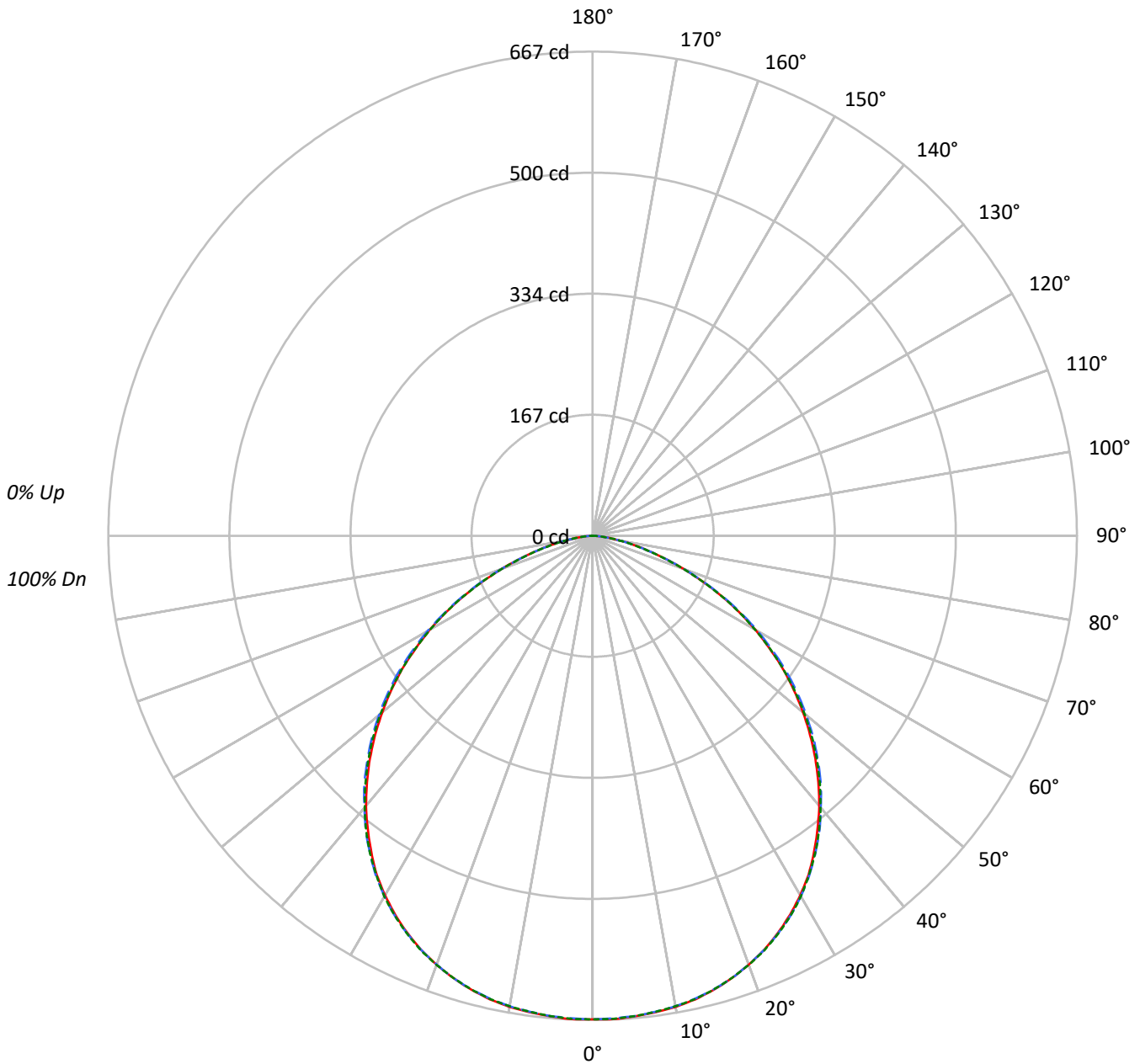
Lumens per Lamp: N/A
Luminaire Lumens: 1780.0 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1792	1792	1792
5°	1795	1794	1794
10°	1801	1798	1798
15°	1803	1801	1802
20°	1800	1800	1801
25°	1793	1795	1796
30°	1777	1782	1783
35°	1747	1756	1756
40°	1706	1718	1715
45°	1650	1671	1663
50°	1583	1607	1594
55°	1503	1527	1505
60°	1393	1412	1389
65°	1243	1256	1242
70°	1046	1046	1039
75°	819	819	810
80°	600	594	590
85°	392	392	398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	3.6
10°-20°	182.5	10.3
20°-30°	278.4	15.6
30°-40°	333.7	18.7
40°-50°	337.0	18.9
50°-60°	288.4	16.2
60°-70°	194.4	10.9
70°-80°	85.8	4.8
80°-90°	16.5	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°	524.2	29.4
0°-40°	857.9	48.2
0°-60°	1483.3	83.3
0°-90°	1780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1780.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	665	664	664	664	664	63
15°	647	647	647	646	647	183
25°	604	604	604	604	605	278
35°	532	535	535	534	534	332
45°	434	437	439	438	437	334
55°	320	323	325	325	321	285
65°	195	197	197	197	195	193
75°	79	79	79	79	78	86
85°	13	13	13	13	13	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	666.1	666.1	666.1	666.1	666.1
2.5°	666.6	665.7	665.5	665.2	666.1
5°	664.6	663.7	664.1	663.7	664.1
7.5°	662.1	661.2	661.5	661.0	661.5
10°	659.0	658.1	658.1	657.7	658.1
12.5°	654.1	653.5	653.2	652.8	653.5
15°	647.2	647.0	646.6	646.3	646.8
17.5°	638.8	638.3	638.8	638.1	638.5
20°	628.7	629.0	628.5	628.7	629.0
22.5°	617.4	617.4	617.6	617.6	618.1
25°	603.8	604.5	604.5	604.5	604.9
27.5°	588.7	589.6	590.2	589.8	590.2
30°	571.8	573.3	573.5	573.3	573.8
32.5°	553.5	554.6	555.3	554.9	554.4
35°	531.7	534.8	534.6	534.2	534.4
37.5°	508.8	511.9	513.0	512.1	512.3
40°	485.6	488.3	489.0	489.2	488.3
42.5°	460.0	463.2	465.6	464.5	463.2
45°	433.6	436.9	439.1	438.5	436.9
47.5°	406.2	409.3	412.4	411.3	409.7
50°	378.1	381.3	383.9	383.5	380.8
52.5°	349.4	353.0	355.4	354.5	351.0
55°	320.3	323.2	325.4	324.9	320.7
57.5°	288.7	292.5	293.6	292.9	289.8
60°	258.8	261.3	262.4	261.5	258.0
62.5°	227.0	229.0	229.9	229.7	227.2
65°	195.2	196.7	197.2	196.7	195.0
67.5°	162.5	164.7	164.9	164.9	163.1
70°	132.9	133.5	132.9	134.7	132.0
72.5°	104.2	104.6	104.2	104.2	103.0
75°	78.8	79.0	78.8	79.0	77.9
77.5°	57.0	57.4	56.5	57.2	56.1
80°	38.7	38.7	38.3	38.5	38.1
82.5°	24.0	24.5	23.8	23.8	23.6
85°	12.7	12.7	12.7	12.9	12.9
87.5°	4.5	4.5	4.7	4.7	4.5
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)