

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: P506209

Luminaire Tested: **22PD-25-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-25-PW1-L927
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

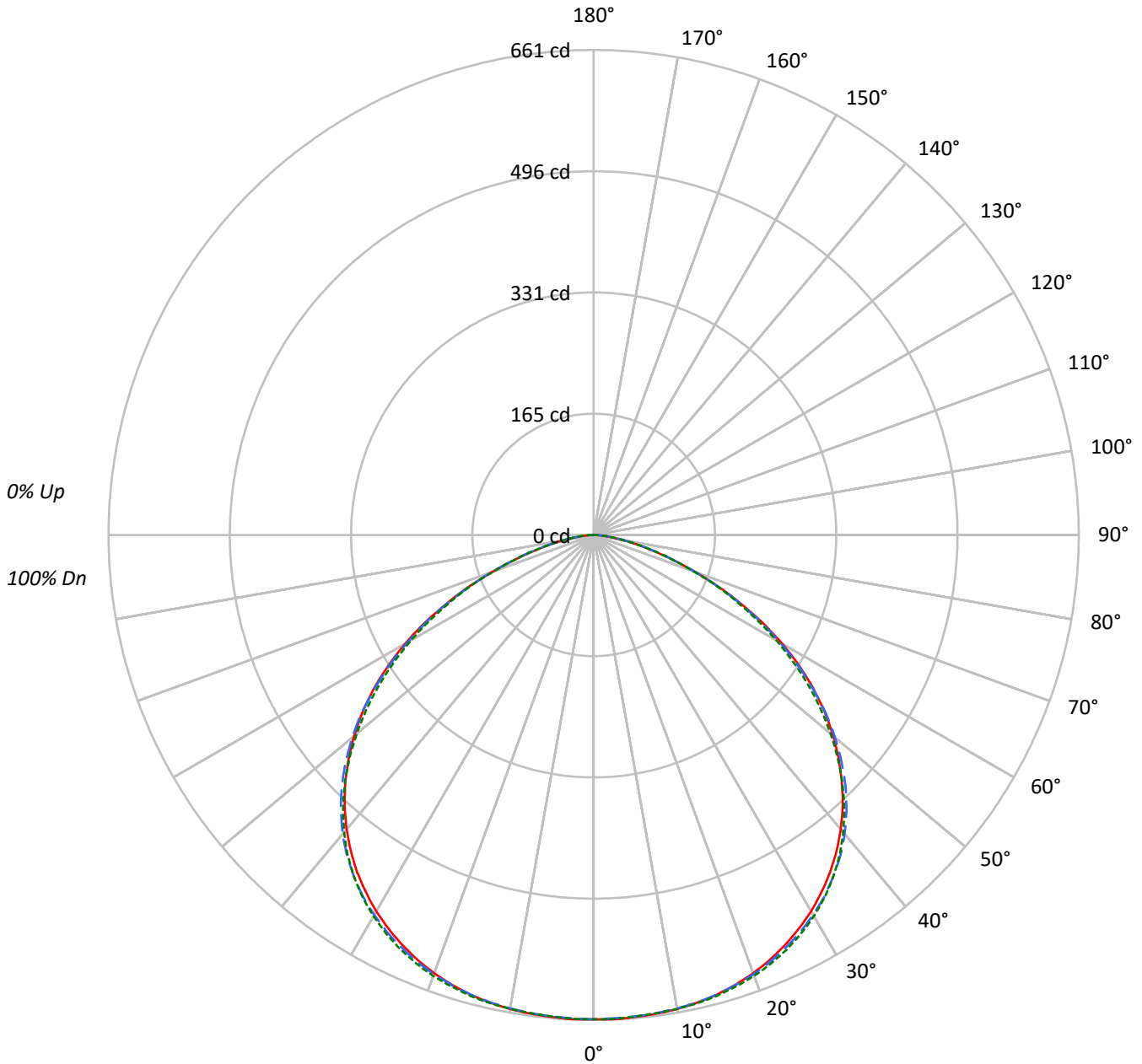
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1908.4 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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	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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45					45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39					39			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35					35			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31					31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28					28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1777	1777	1777
5°	1781	1779	1780
10°	1793	1791	1793
15°	1807	1806	1812
20°	1820	1824	1832
25°	1831	1842	1850
30°	1840	1858	1864
35°	1845	1869	1870
40°	1839	1869	1858
45°	1821	1847	1825
50°	1784	1797	1764
55°	1715	1707	1675
60°	1596	1579	1546
65°	1408	1394	1367
70°	1153	1158	1135
75°	873	902	895
80°	632	659	648
85°	414	429	460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	3.3
10°-20°	183.4	9.6
20°-30°	285.9	15.0
30°-40°	354.3	18.6
40°-50°	370.7	19.4
50°-60°	323.1	16.9
60°-70°	216.4	11.3
70°-80°	93.8	4.9
80°-90°	18.1	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°	532.0	27.9
0°-40°	886.3	46.4
0°-60°	1580.1	82.8
0°-90°	1908.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1908.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	660	660	660	660	660	
5°	660	659	659	658	659	63
15°	649	648	648	649	650	183
25°	617	617	620	622	623	284
35°	562	564	569	570	569	351
45°	478	481	485	481	480	368
55°	366	365	364	360	357	325
65°	221	220	219	217	215	219
75°	84	85	87	86	86	93
85°	13	14	14	14	15	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	660.2	660.2	660.2	660.2	660.2
2.5°	660.9	659.7	659.5	659.5	660.2
5°	659.5	658.8	658.6	658.3	658.8
7.5°	658.1	657.1	657.4	656.9	657.4
10°	656.2	655.3	655.3	655.3	656.0
12.5°	652.9	652.2	652.4	652.9	653.8
15°	648.7	647.7	648.4	649.1	650.3
17.5°	642.8	642.0	643.2	644.4	645.3
20°	635.7	635.0	637.1	638.7	639.7
22.5°	626.9	626.7	629.5	631.4	632.1
25°	616.8	617.0	620.3	622.2	623.2
27.5°	605.2	605.7	610.0	611.6	612.5
30°	592.3	593.4	597.9	599.3	600.0
32.5°	577.6	579.3	584.7	585.7	585.7
35°	561.6	563.7	568.9	569.6	569.1
37.5°	543.6	546.0	551.9	551.0	550.3
40°	523.6	526.2	532.1	530.2	529.0
42.5°	502.1	504.7	509.9	507.1	505.4
45°	478.5	481.1	485.4	481.4	479.5
47.5°	453.0	456.1	458.2	453.7	451.4
50°	426.1	427.1	429.2	424.0	421.4
52.5°	396.9	396.9	398.5	392.9	389.8
55°	365.5	365.3	363.8	359.8	357.0
57.5°	332.2	330.8	329.9	325.6	322.3
60°	296.6	294.5	293.3	289.8	287.2
62.5°	259.3	258.1	256.7	253.9	251.1
65°	221.1	219.9	219.0	216.8	214.7
67.5°	183.1	182.4	182.4	181.0	180.7
70°	146.5	147.0	147.2	147.2	144.2
72.5°	113.5	113.7	114.9	114.0	113.7
75°	84.0	85.4	86.8	86.1	86.1
77.5°	60.4	62.5	62.5	62.1	61.3
80°	40.8	41.8	42.5	42.2	41.8
82.5°	26.0	26.7	26.0	26.4	26.7
85°	13.4	14.4	13.9	14.2	14.9
87.5°	4.5	5.0	5.2	5.0	5.0
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)