

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: P505858

Luminaire Tested: **14PD-25-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PW1-L927
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

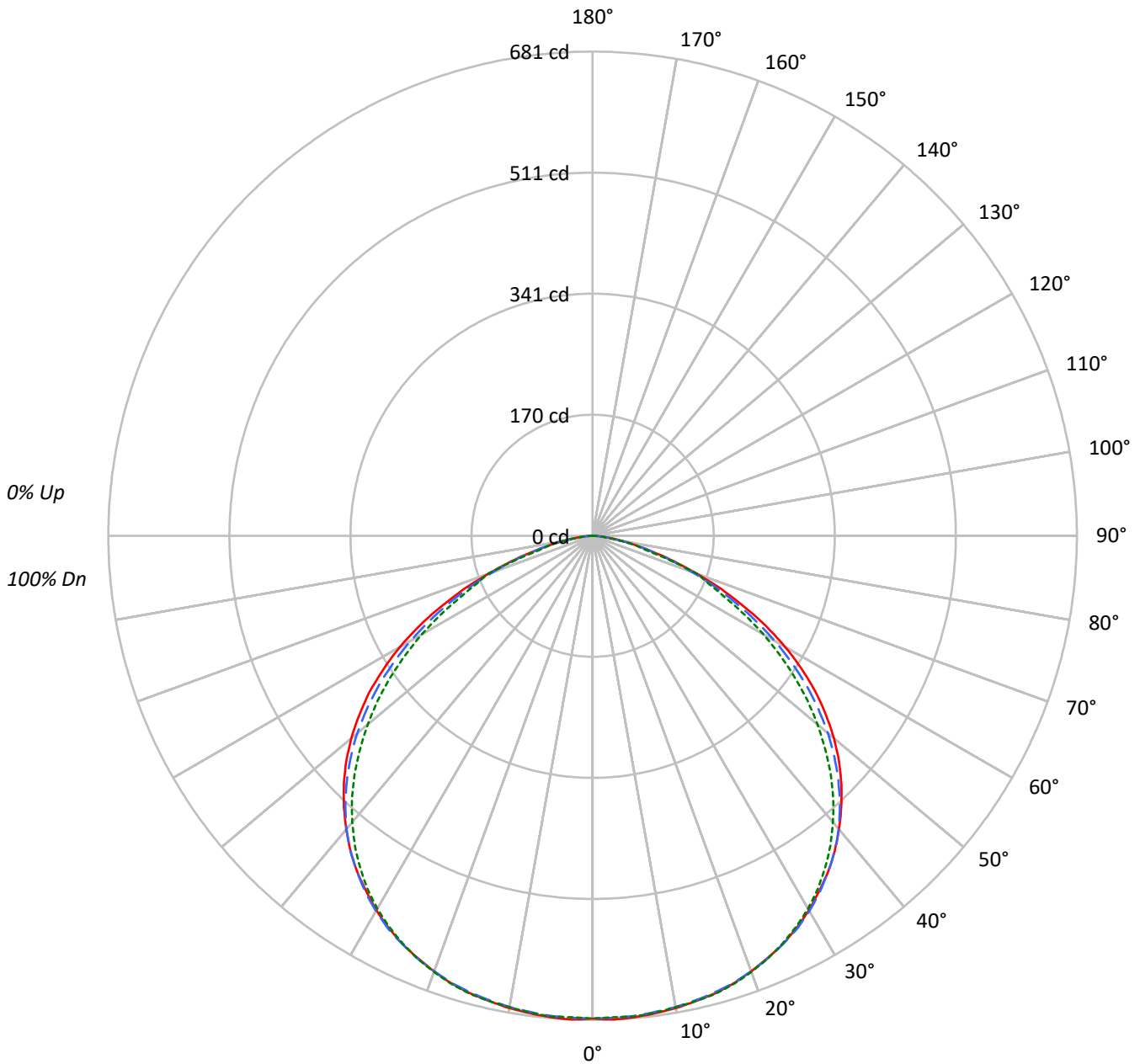
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1933.5 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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				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	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72				72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52				52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	54	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°	1827	1827	1827
5°	1836	1831	1833
10°	1844	1838	1840
15°	1856	1852	1858
20°	1867	1866	1869
25°	1881	1881	1878
30°	1890	1894	1882
35°	1896	1896	1872
40°	1893	1892	1847
45°	1883	1861	1801
50°	1854	1809	1727
55°	1797	1721	1628
60°	1683	1590	1491
65°	1491	1405	1312
70°	1217	1163	1226
75°	918	901	810
80°	660	618	618
85°	414	392	343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	3.3
10°-20°	187.9	9.7
20°-30°	291.7	15.1
30°-40°	359.3	18.6
40°-50°	374.1	19.3
50°-60°	325.3	16.8
60°-70°	218.6	11.3
70°-80°	94.6	4.9
80°-90°	17.4	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°	544.2	28.1
0°-40°	903.6	46.7
0°-60°	1603.0	82.9
0°-90°	1933.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1933.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	679	679	679	679	679	
5°	680	676	678	679	678	65
15°	666	662	665	667	667	188
25°	634	631	634	634	632	292
35°	577	576	577	572	570	361
45°	495	493	489	478	473	381
55°	383	376	367	352	347	340
65°	234	230	221	210	206	232
75°	88	89	87	89	78	97
85°	13	14	13	11	11	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	678.9	678.9	678.9	678.9	678.9
2.5°	681.2	677.0	678.5	680.8	677.8
5°	679.7	675.5	677.8	679.3	678.5
7.5°	677.4	674.3	675.5	677.0	676.6
10°	674.7	671.6	672.8	674.3	673.2
12.5°	670.5	667.0	669.3	670.9	670.5
15°	666.3	661.7	664.7	667.0	667.0
17.5°	660.1	656.3	659.4	661.3	660.9
20°	652.1	649.4	651.7	653.2	652.8
22.5°	642.8	640.9	643.6	643.6	643.6
25°	633.6	630.6	633.6	633.6	632.5
27.5°	621.7	619.1	622.9	621.7	619.8
30°	608.3	606.8	609.5	607.5	605.6
32.5°	592.6	591.8	594.5	590.7	589.1
35°	577.2	575.7	577.2	572.2	569.9
37.5°	559.2	557.6	559.2	552.7	549.2
40°	538.8	537.7	538.5	530.0	525.8
42.5°	517.7	516.6	514.7	504.3	500.8
45°	494.7	493.2	488.9	477.8	473.2
47.5°	470.1	467.5	461.3	449.4	443.3
50°	442.9	439.1	432.1	419.1	412.6
52.5°	413.3	408.7	399.9	386.9	380.7
55°	383.0	376.1	366.9	352.3	346.9
57.5°	348.5	341.2	331.6	318.2	312.0
60°	312.8	305.5	295.5	283.2	277.1
62.5°	274.8	268.3	258.3	246.8	241.4
65°	234.1	229.9	220.7	210.3	206.1
67.5°	195.7	191.5	183.8	175.0	176.5
70°	154.7	154.3	147.8	141.6	155.8
72.5°	120.5	119.7	116.3	113.2	112.5
75°	88.3	89.0	86.7	88.7	77.9
77.5°	62.2	62.9	62.6	57.2	59.9
80°	42.6	42.6	39.9	38.0	39.9
82.5°	25.7	30.7	27.6	22.6	21.9
85°	13.4	13.8	12.7	11.1	11.1
87.5°	5.0	5.8	5.0	4.6	4.2
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)