

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: P506587

Luminaire Tested: **24PD-30-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-30-PW1-L927
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

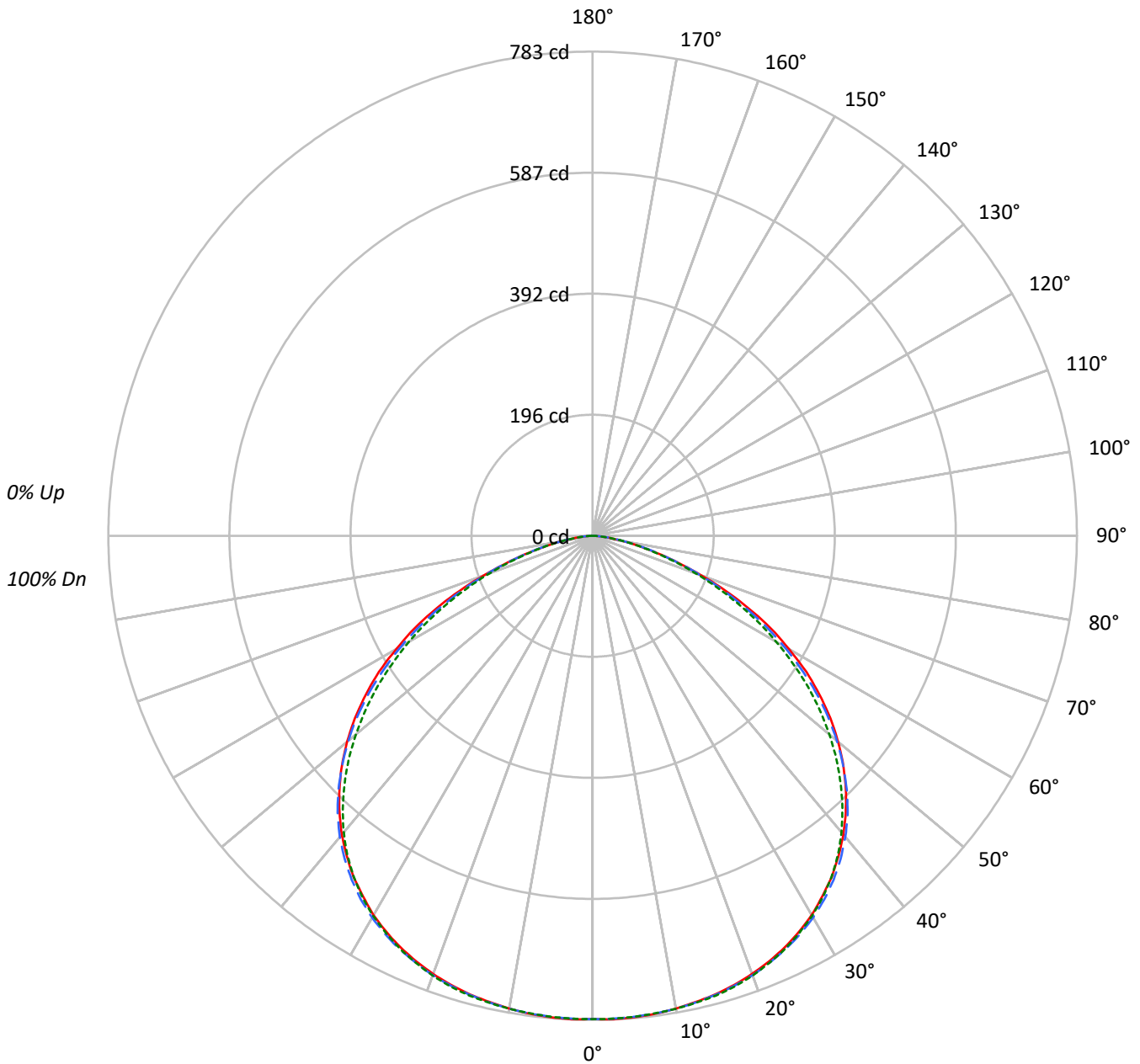
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2292.4 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71				71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60				60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52				52
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45				45
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1052	1052	1052
5°	1056	1054	1054
10°	1061	1061	1061
15°	1069	1070	1072
20°	1080	1083	1084
25°	1091	1096	1094
30°	1101	1108	1103
35°	1107	1115	1106
40°	1108	1117	1100
45°	1102	1106	1079
50°	1084	1079	1046
55°	1050	1033	996
60°	986	961	923
65°	889	857	822
70°	733	722	696
75°	560	566	543
80°	389	401	392
85°	233	242	236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	3.2
10°-20°	217.3	9.5
20°-30°	339.9	14.8
30°-40°	422.7	18.4
40°-50°	444.3	19.4
50°-60°	390.0	17.0
60°-70°	265.6	11.6
70°-80°	117.1	5.1
80°-90°	21.1	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°	631.6	27.6
0°-40°	1054.3	46.0
0°-60°	1888.6	82.4
0°-90°	2292.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2292.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	782	781	781	780	781	74
15°	768	769	768	768	770	217
25°	735	737	738	738	737	339
35°	674	677	679	676	673	421
45°	579	583	581	572	567	446
55°	448	446	440	429	425	399
65°	279	273	269	263	258	275
75°	108	108	109	107	104	118
85°	15	16	16	16	15	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	781.7	781.7	781.7	781.7	781.7
2.5°	782.6	782.1	781.7	781.0	781.7
5°	781.5	781.3	780.6	779.7	780.6
7.5°	779.7	779.7	779.1	778.4	778.9
10°	776.5	777.1	776.5	775.8	776.7
12.5°	772.1	773.2	773.0	773.0	773.6
15°	767.7	768.6	768.4	768.4	769.9
17.5°	761.6	762.7	762.9	763.4	764.2
20°	754.0	755.5	756.4	756.2	756.8
22.5°	745.0	746.8	747.4	747.9	747.4
25°	734.8	736.7	738.1	737.6	737.0
27.5°	722.3	724.5	726.3	725.2	723.9
30°	708.4	710.3	713.0	711.0	709.7
32.5°	691.1	694.8	697.2	694.8	692.9
35°	673.9	676.9	679.1	675.9	673.2
37.5°	652.9	656.7	658.6	654.0	651.2
40°	630.9	634.6	635.7	629.8	626.1
42.5°	605.8	610.0	610.4	602.1	597.9
45°	579.0	582.7	581.1	571.5	567.2
47.5°	549.9	552.6	549.3	539.5	534.7
50°	518.1	519.6	515.7	504.1	499.5
52.5°	484.5	484.3	479.2	467.7	462.6
55°	447.6	445.8	440.4	428.8	424.7
57.5°	409.8	404.4	398.5	388.7	383.2
60°	366.4	362.3	357.0	347.2	343.1
62.5°	325.4	318.0	313.6	304.9	301.2
65°	279.3	272.6	269.1	263.2	258.2
67.5°	233.1	227.8	225.4	221.3	216.7
70°	186.4	184.8	183.5	179.6	176.8
72.5°	145.1	144.7	144.5	142.3	139.4
75°	107.8	108.5	108.9	106.9	104.5
77.5°	76.8	77.9	77.7	76.6	75.9
80°	50.2	51.1	51.7	50.6	50.6
82.5°	30.3	31.2	31.0	31.4	30.6
85°	15.1	15.7	15.7	15.5	15.3
87.5°	5.5	5.7	5.5	5.7	5.5
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)