

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: P506263

Luminaire Tested: **22PD-35-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506263
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-35-PW1-L927
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

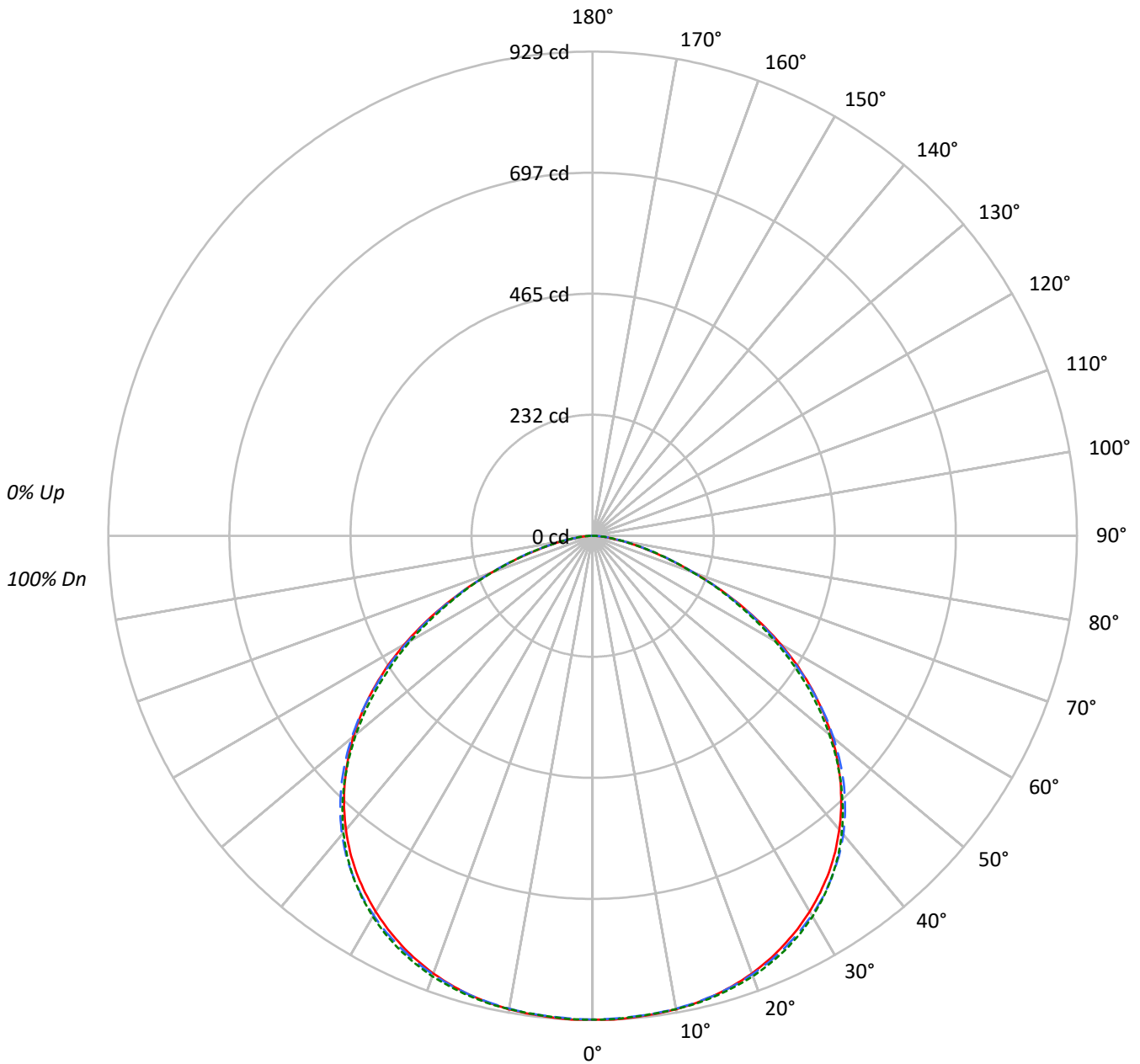
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2683.3 lumens
Efficiency: N/A
Efficacy: 93.2 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): 28.8
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2498	2498	2498
5°	2505	2501	2502
10°	2521	2517	2520
15°	2541	2540	2547
20°	2560	2565	2576
25°	2575	2590	2602
30°	2587	2612	2622
35°	2594	2628	2629
40°	2586	2628	2613
45°	2560	2597	2565
50°	2509	2527	2480
55°	2411	2400	2355
60°	2244	2220	2173
65°	1980	1961	1922
70°	1621	1629	1595
75°	1228	1269	1259
80°	890	925	910
85°	584	605	645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	3.3
10°-20°	257.8	9.6
20°-30°	401.9	15.0
30°-40°	498.2	18.6
40°-50°	521.3	19.4
50°-60°	454.2	16.9
60°-70°	304.3	11.3
70°-80°	131.9	4.9
80°-90°	25.4	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°	748.0	27.9
0°-40°	1246.2	46.4
0°-60°	2221.7	82.8
0°-90°	2683.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2683.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	927	926	926	926	926	88
15°	912	911	912	913	914	258
25°	867	868	872	875	876	400
35°	790	793	800	801	800	494
45°	673	676	682	677	674	518
55°	514	514	512	506	502	458
65°	311	309	308	305	302	307
75°	118	120	122	121	121	130
85°	19	20	20	20	21	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	928.3	928.3	928.3	928.3	928.3
2.5°	929.3	927.6	927.3	927.3	928.3
5°	927.3	926.3	925.9	925.6	926.3
7.5°	925.3	923.9	924.3	923.6	924.3
10°	922.6	921.3	921.3	921.3	922.3
12.5°	918.0	917.0	917.3	918.0	919.3
15°	912.0	910.7	911.7	912.7	914.3
17.5°	903.7	902.7	904.4	906.0	907.4
20°	893.8	892.8	895.7	898.1	899.4
22.5°	881.5	881.2	885.1	887.8	888.8
25°	867.2	867.5	872.2	874.8	876.2
27.5°	851.0	851.6	857.6	859.9	861.2
30°	832.7	834.4	840.7	842.7	843.7
32.5°	812.1	814.5	822.1	823.4	823.4
35°	789.6	792.6	799.9	800.9	800.2
37.5°	764.4	767.7	776.0	774.7	773.7
40°	736.2	739.8	748.1	745.5	743.8
42.5°	706.0	709.6	716.9	713.0	710.6
45°	672.8	676.5	682.4	676.8	674.1
47.5°	637.0	641.3	644.3	638.0	634.7
50°	599.2	600.5	603.5	596.2	592.5
52.5°	558.0	558.0	560.3	552.4	548.1
55°	513.9	513.6	511.6	505.9	502.0
57.5°	467.1	465.1	463.8	457.8	453.2
60°	417.0	414.0	412.4	407.4	403.8
62.5°	364.6	362.9	361.0	357.0	353.0
65°	310.9	309.2	307.9	304.9	301.9
67.5°	257.4	256.4	256.4	254.5	254.1
70°	206.0	206.7	207.0	207.0	202.7
72.5°	159.6	159.9	161.6	160.2	159.9
75°	118.1	120.1	122.1	121.1	121.1
77.5°	84.9	87.9	87.9	87.3	86.3
80°	57.4	58.7	59.7	59.4	58.7
82.5°	36.5	37.5	36.5	37.2	37.5
85°	18.9	20.2	19.6	19.9	20.9
87.5°	6.3	7.0	7.3	7.0	7.0
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)