

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: P506614

Luminaire Tested: **24PD-35-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506614
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-35-PW1-L927
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

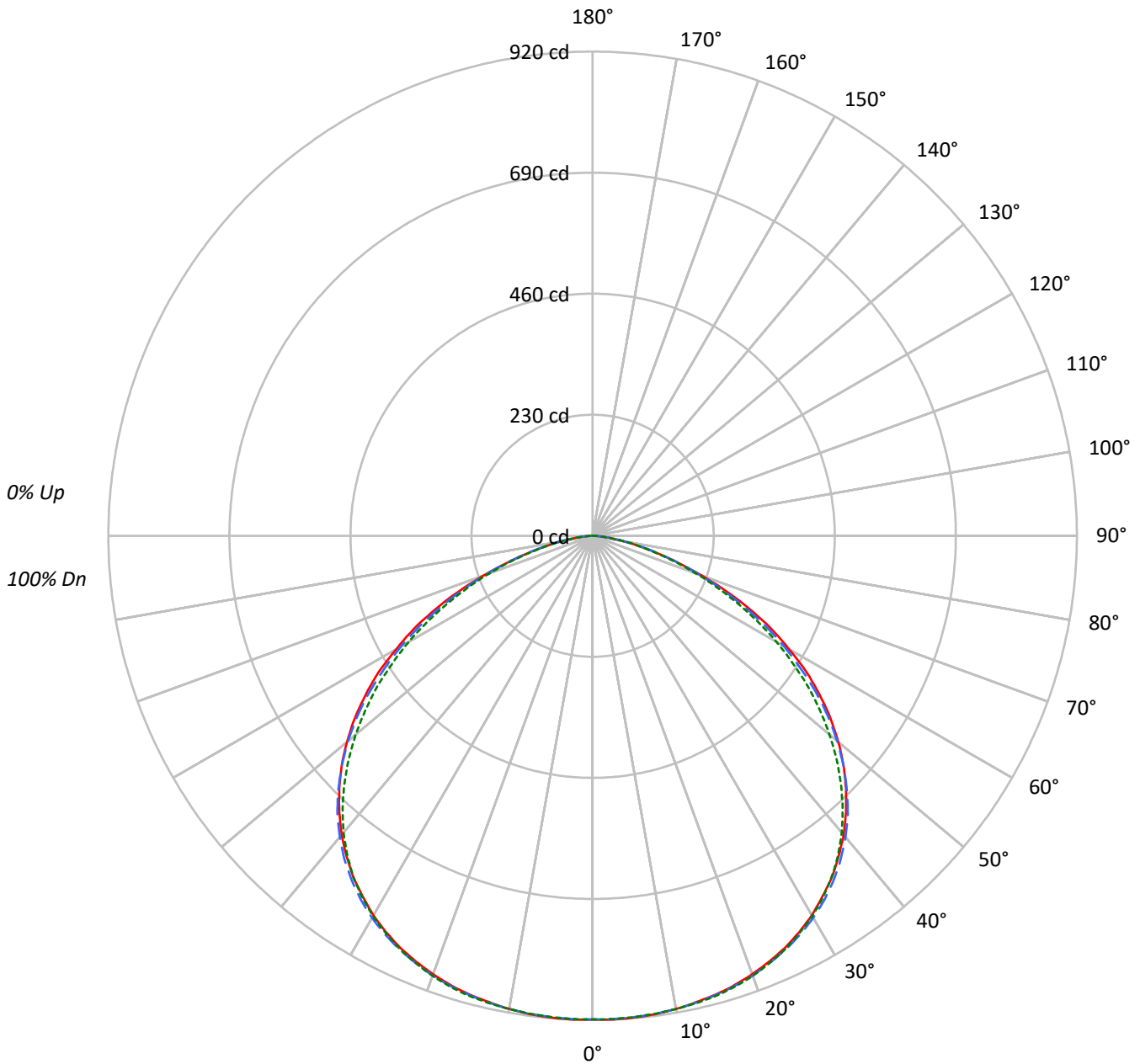
Lumens per Lamp: N/A
Luminaire Lumens: 2695.3 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.3
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					
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	98	95	93	95	92	90	91	89	87	85								
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71								
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60								
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52								
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45								
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39								
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34								
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30								
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27								
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1237	1237	1237
5°	1241	1240	1240
10°	1247	1247	1248
15°	1257	1259	1261
20°	1269	1273	1274
25°	1283	1288	1286
30°	1294	1302	1296
35°	1302	1312	1300
40°	1303	1313	1293
45°	1295	1300	1269
50°	1275	1269	1229
55°	1235	1215	1171
60°	1159	1130	1086
65°	1046	1007	967
70°	862	849	817
75°	659	665	639
80°	457	471	461
85°	273	286	278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	3.2
10°-20°	255.5	9.5
20°-30°	399.6	14.8
30°-40°	497.1	18.4
40°-50°	522.4	19.4
50°-60°	458.5	17.0
60°-70°	312.2	11.6
70°-80°	137.7	5.1
80°-90°	24.8	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°	742.6	27.6
0°-40°	1239.7	46.0
0°-60°	2220.6	82.4
0°-90°	2695.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2695.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	919	919	919	919	919	
5°	919	919	918	917	918	88
15°	903	904	904	904	905	255
25°	864	866	868	867	866	398
35°	792	796	798	795	792	495
45°	681	685	683	672	667	524
55°	526	524	518	504	499	469
65°	328	320	316	310	304	324
75°	127	128	128	126	123	139
85°	18	18	18	18	18	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	919.1	919.1	919.1	919.1	919.1
2.5°	920.1	919.6	919.1	918.4	919.1
5°	918.9	918.6	917.8	916.8	917.8
7.5°	916.8	916.8	916.0	915.3	915.8
10°	913.0	913.7	913.0	912.2	913.2
12.5°	907.8	909.1	908.9	908.9	909.6
15°	902.7	903.7	903.5	903.5	905.3
17.5°	895.5	896.8	897.1	897.6	898.6
20°	886.5	888.3	889.4	889.1	889.9
22.5°	876.0	878.1	878.8	879.3	878.8
25°	864.0	866.3	867.8	867.3	866.5
27.5°	849.3	851.9	853.9	852.7	851.1
30°	832.9	835.2	838.3	836.0	834.4
32.5°	812.6	817.0	819.8	817.0	814.7
35°	792.4	796.0	798.5	794.7	791.6
37.5°	767.7	772.1	774.4	769.0	765.7
40°	741.8	746.2	747.5	740.5	736.2
42.5°	712.3	717.2	717.7	707.9	703.1
45°	680.7	685.1	683.3	672.0	666.9
47.5°	646.6	649.7	645.8	634.3	628.7
50°	609.2	611.0	606.3	592.7	587.3
52.5°	569.6	569.4	563.5	549.9	544.0
55°	526.3	524.2	517.8	504.2	499.3
57.5°	481.9	475.5	468.5	457.0	450.6
60°	430.8	425.9	419.8	408.2	403.4
62.5°	382.6	373.9	368.7	358.5	354.1
65°	328.4	320.5	316.4	309.5	303.6
67.5°	274.0	267.9	265.1	260.2	254.8
70°	219.1	217.3	215.8	211.2	207.8
72.5°	170.6	170.1	169.9	167.3	164.0
75°	126.8	127.5	128.0	125.7	122.9
77.5°	90.3	91.6	91.3	90.1	89.3
80°	59.0	60.0	60.8	59.5	59.5
82.5°	35.7	36.7	36.4	36.9	35.9
85°	17.7	18.5	18.5	18.2	18.0
87.5°	6.4	6.7	6.4	6.7	6.4
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)