

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: P506616

Luminaire Tested: **24PD-35-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506616
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-L935
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

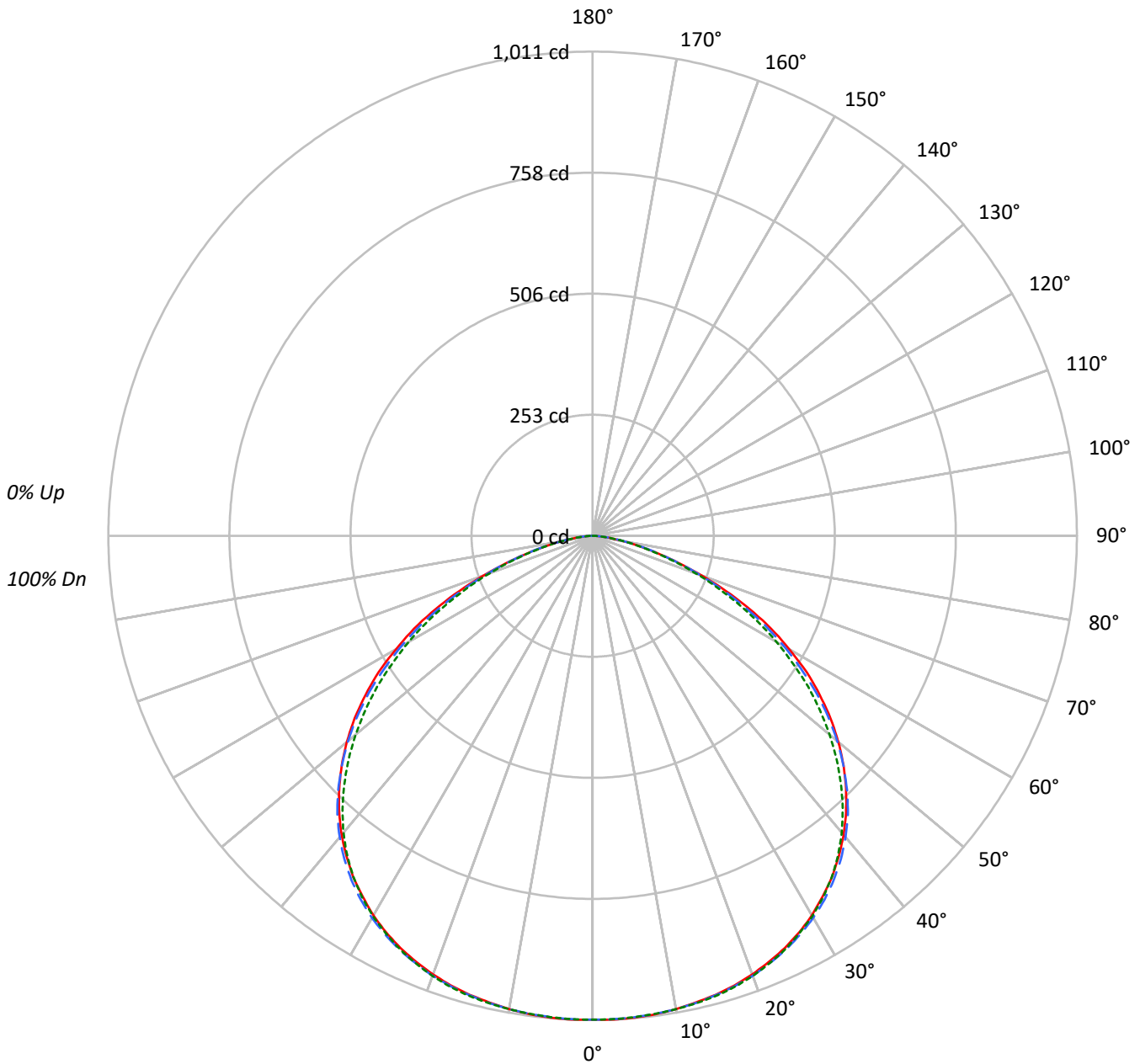
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2962.7 lumens
Efficiency: N/A
Efficacy: 117.1 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									
RC	80									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°	1359	1359	1359
5°	1364	1363	1363
10°	1371	1371	1371
15°	1382	1383	1386
20°	1395	1400	1400
25°	1410	1416	1414
30°	1422	1432	1425
35°	1430	1442	1429
40°	1432	1443	1421
45°	1424	1429	1395
50°	1402	1395	1351
55°	1357	1335	1288
60°	1274	1242	1193
65°	1149	1107	1062
70°	948	933	899
75°	724	731	702
80°	503	518	507
85°	301	313	304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	3.2
10°-20°	280.9	9.5
20°-30°	439.2	14.8
30°-40°	546.4	18.4
40°-50°	574.2	19.4
50°-60°	504.0	17.0
60°-70°	343.2	11.6
70°-80°	151.4	5.1
80°-90°	27.3	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°	816.3	27.6
0°-40°	1362.6	46.0
0°-60°	2440.8	82.4
0°-90°	2962.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2962.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	1010	1010	1009	1008	1009	96
15°	992	993	993	993	995	280
25°	950	952	954	953	952	438
35°	871	875	878	874	870	544
45°	748	753	751	739	733	576
55°	578	576	569	554	549	516
65°	361	352	348	340	334	356
75°	139	140	141	138	135	152
85°	20	20	20	20	20	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1010.3	1010.3	1010.3	1010.3	1010.3
2.5°	1011.4	1010.8	1010.3	1009.4	1010.3
5°	1010.0	1009.7	1008.9	1007.7	1008.9
7.5°	1007.7	1007.7	1006.9	1006.0	1006.6
10°	1003.5	1004.4	1003.5	1002.7	1003.8
12.5°	997.9	999.3	999.0	999.0	999.8
15°	992.2	993.4	993.1	993.1	995.0
17.5°	984.3	985.7	986.0	986.6	987.7
20°	974.5	976.4	977.6	977.3	978.1
22.5°	962.9	965.2	966.0	966.6	966.0
25°	949.6	952.2	953.9	953.3	952.5
27.5°	933.6	936.4	938.6	937.2	935.5
30°	915.5	918.1	921.4	918.9	917.2
32.5°	893.2	898.0	901.1	898.0	895.5
35°	870.9	874.9	877.7	873.5	870.1
37.5°	843.9	848.7	851.2	845.3	841.6
40°	815.4	820.2	821.6	814.0	809.2
42.5°	783.0	788.3	788.9	778.2	772.8
45°	748.3	753.1	751.1	738.7	733.0
47.5°	710.7	714.1	709.9	697.2	691.0
50°	669.6	671.5	666.5	651.5	645.6
52.5°	626.1	625.9	619.4	604.4	597.9
55°	578.5	576.2	569.2	554.2	548.9
57.5°	529.7	522.6	515.0	502.3	495.3
60°	473.6	468.2	461.4	448.7	443.4
62.5°	420.5	410.9	405.3	394.0	389.2
65°	361.0	352.3	347.8	340.1	333.7
67.5°	301.2	294.5	291.4	286.0	280.1
70°	240.9	238.9	237.2	232.1	228.5
72.5°	187.6	187.0	186.7	183.9	180.2
75°	139.3	140.2	140.7	138.2	135.1
77.5°	99.3	100.7	100.4	99.0	98.2
80°	64.9	66.0	66.8	65.4	65.4
82.5°	39.2	40.3	40.1	40.6	39.5
85°	19.5	20.3	20.3	20.0	19.7
87.5°	7.1	7.3	7.1	7.3	7.1
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)