

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: P506618

Luminaire Tested: **24PD-35-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506618
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-L950
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

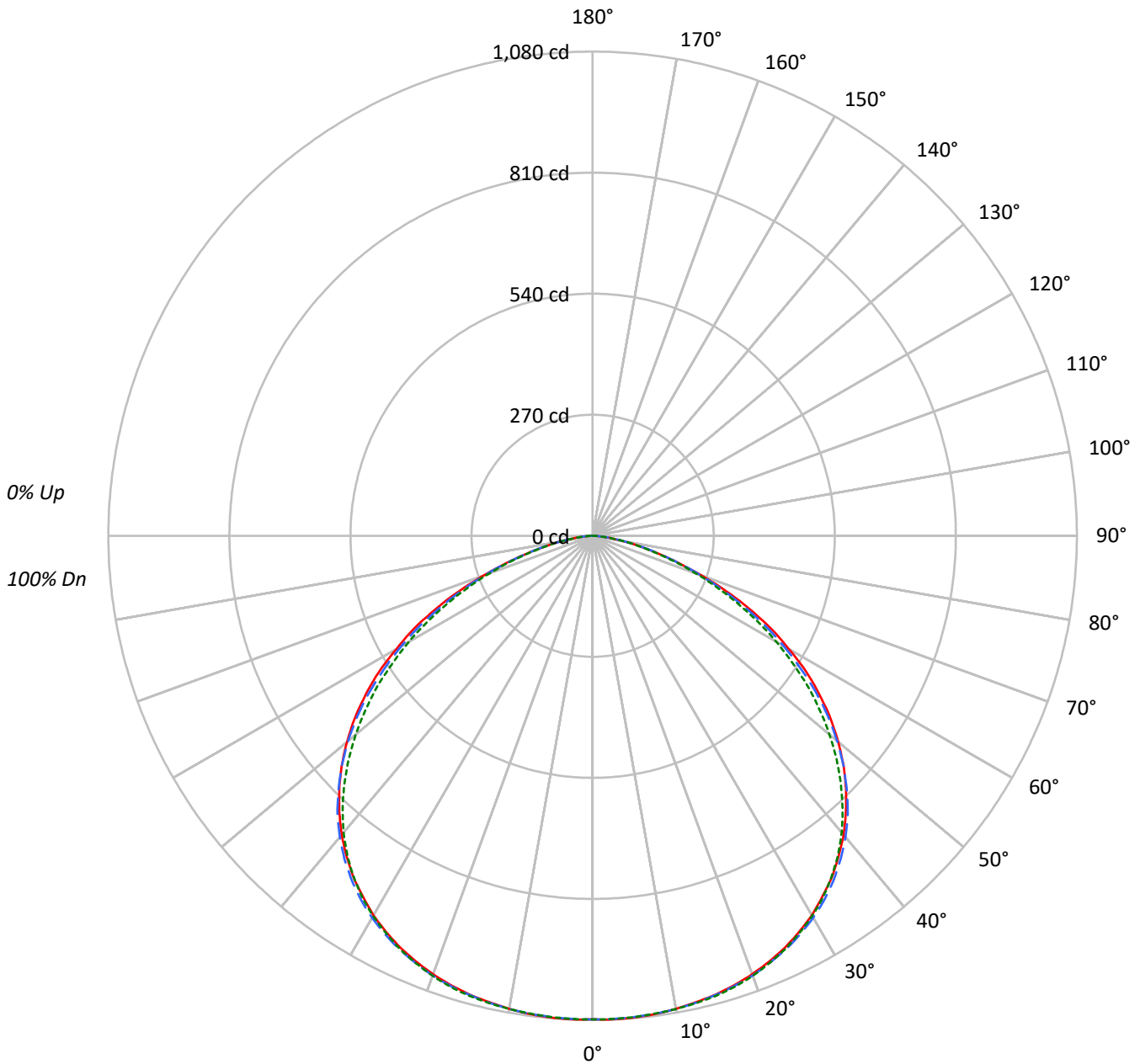
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3163.7 lumens
Efficiency: N/A
Efficacy: 125.0 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				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°	1452	1452	1452
5°	1457	1455	1455
10°	1464	1464	1464
15°	1476	1477	1480
20°	1490	1495	1496
25°	1506	1512	1510
30°	1519	1529	1522
35°	1528	1540	1526
40°	1529	1541	1518
45°	1520	1526	1490
50°	1497	1490	1443
55°	1449	1426	1375
60°	1361	1326	1274
65°	1227	1182	1134
70°	1012	996	960
75°	774	781	750
80°	537	553	542
85°	321	335	326



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	3.2
10°-20°	299.9	9.5
20°-30°	469.0	14.8
30°-40°	583.4	18.4
40°-50°	613.1	19.4
50°-60°	538.2	17.0
60°-70°	366.5	11.6
70°-80°	161.7	5.1
80°-90°	29.1	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°	871.6	27.6
0°-40°	1455.1	46.0
0°-60°	2606.4	82.4
0°-90°	3163.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3163.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1079	1079	1079	1079	1079	
5°	1078	1078	1077	1076	1077	103
15°	1060	1061	1060	1060	1063	299
25°	1014	1017	1019	1018	1017	468
35°	930	934	937	933	929	581
45°	799	804	802	789	783	615
55°	618	615	608	592	586	550
65°	386	376	371	363	356	380
75°	149	150	150	148	144	163
85°	21	22	22	21	21	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1078.8	1078.8	1078.8	1078.8	1078.8
2.5°	1080.0	1079.4	1078.8	1077.9	1078.8
5°	1078.5	1078.2	1077.3	1076.1	1077.3
7.5°	1076.1	1076.1	1075.2	1074.3	1074.9
10°	1071.6	1072.5	1071.6	1070.7	1071.9
12.5°	1065.6	1067.1	1066.8	1066.8	1067.7
15°	1059.5	1060.7	1060.4	1060.4	1062.6
17.5°	1051.1	1052.6	1052.9	1053.5	1054.7
20°	1040.6	1042.7	1043.9	1043.6	1044.5
22.5°	1028.2	1030.6	1031.5	1032.1	1031.5
25°	1014.1	1016.8	1018.6	1018.0	1017.1
27.5°	996.9	999.9	1002.3	1000.8	999.0
30°	977.6	980.3	983.9	981.2	979.4
32.5°	953.8	959.0	962.3	959.0	956.2
35°	930.0	934.3	937.3	932.7	929.1
37.5°	901.1	906.2	909.0	902.6	898.7
40°	870.7	875.8	877.3	869.2	864.1
42.5°	836.1	841.8	842.4	830.9	825.2
45°	799.0	804.1	802.0	788.8	782.8
47.5°	759.0	762.6	758.1	744.5	737.9
50°	715.0	717.1	711.7	695.7	689.4
52.5°	668.6	668.3	661.4	645.4	638.5
55°	617.7	615.3	607.8	591.8	586.1
57.5°	565.6	558.1	550.0	536.4	528.9
60°	505.7	500.0	492.7	479.2	473.5
62.5°	449.1	438.8	432.8	420.7	415.6
65°	385.5	376.2	371.4	363.2	356.3
67.5°	321.7	314.4	311.1	305.4	299.1
70°	257.2	255.1	253.3	247.9	244.0
72.5°	200.3	199.7	199.4	196.4	192.5
75°	148.8	149.7	150.3	147.6	144.3
77.5°	106.0	107.5	107.2	105.7	104.8
80°	69.3	70.5	71.4	69.9	69.9
82.5°	41.9	43.1	42.8	43.4	42.2
85°	20.8	21.7	21.7	21.4	21.1
87.5°	7.5	7.8	7.5	7.8	7.5
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)