

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: P506613

Luminaire Tested: **24PD-35-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506613
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-L850
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

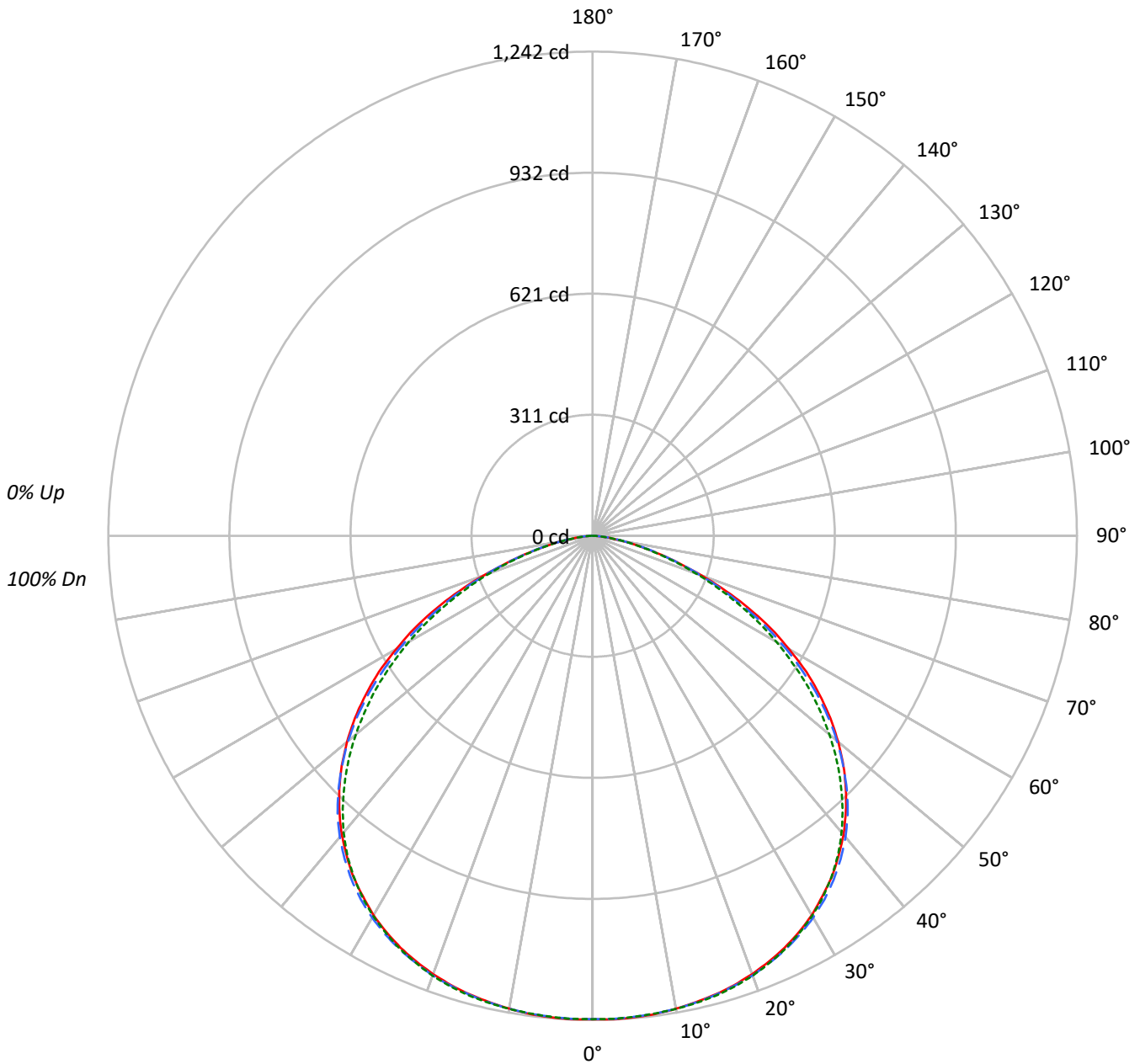
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3637.0 lumens
Efficiency: N/A
Efficacy: 143.8 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°	1669	1669	1669
5°	1675	1673	1673
10°	1683	1683	1684
15°	1697	1698	1701
20°	1713	1718	1719
25°	1731	1738	1736
30°	1746	1757	1749
35°	1756	1770	1754
40°	1758	1772	1745
45°	1748	1754	1712
50°	1721	1713	1659
55°	1666	1639	1581
60°	1564	1524	1465
65°	1411	1359	1304
70°	1163	1146	1103
75°	889	898	862
80°	617	636	622
85°	369	384	374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	3.2
10°-20°	344.8	9.5
20°-30°	539.2	14.8
30°-40°	670.7	18.4
40°-50°	704.9	19.4
50°-60°	618.7	17.0
60°-70°	421.3	11.6
70°-80°	185.9	5.1
80°-90°	33.5	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°	1002.0	27.6
0°-40°	1672.8	46.0
0°-60°	2996.4	82.4
0°-90°	3637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1240	1240	1240	1240	1240	
5°	1240	1240	1238	1237	1238	118
15°	1218	1220	1219	1219	1222	344
25°	1166	1169	1171	1170	1169	538
35°	1069	1074	1078	1072	1068	668
45°	919	924	922	907	900	707
55°	710	707	699	680	674	633
65°	443	432	427	418	410	437
75°	171	172	173	170	166	187
85°	24	25	25	25	24	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1240.2	1240.2	1240.2	1240.2	1240.2
2.5°	1241.6	1240.9	1240.2	1239.2	1240.2
5°	1239.9	1239.5	1238.5	1237.1	1238.5
7.5°	1237.1	1237.1	1236.1	1235.0	1235.7
10°	1231.9	1233.0	1231.9	1230.9	1232.3
12.5°	1225.0	1226.7	1226.4	1226.4	1227.4
15°	1218.1	1219.5	1219.1	1219.1	1221.5
17.5°	1208.4	1210.1	1210.5	1211.1	1212.5
20°	1196.3	1198.7	1200.1	1199.7	1200.8
22.5°	1182.1	1184.8	1185.9	1186.6	1185.9
25°	1165.8	1168.9	1171.0	1170.3	1169.3
27.5°	1146.1	1149.5	1152.3	1150.6	1148.5
30°	1123.9	1127.0	1131.2	1128.0	1126.0
32.5°	1096.5	1102.4	1106.2	1102.4	1099.3
35°	1069.2	1074.0	1077.5	1072.3	1068.1
37.5°	1035.9	1041.8	1045.0	1037.7	1033.2
40°	1001.0	1006.9	1008.6	999.2	993.4
42.5°	961.2	967.7	968.4	955.3	948.7
45°	918.6	924.5	922.0	906.8	899.9
47.5°	872.5	876.7	871.5	855.9	848.3
50°	822.0	824.4	818.2	799.8	792.5
52.5°	768.7	768.3	760.3	742.0	734.0
55°	710.1	707.4	698.7	680.4	673.8
57.5°	650.2	641.6	632.2	616.7	608.0
60°	581.3	574.8	566.4	550.9	544.3
62.5°	516.2	504.5	497.5	483.7	477.8
65°	443.2	432.5	426.9	417.6	409.6
67.5°	369.8	361.5	357.7	351.1	343.8
70°	295.7	293.3	291.2	285.0	280.5
72.5°	230.2	229.6	229.2	225.7	221.2
75°	171.0	172.1	172.8	169.7	165.8
77.5°	121.9	123.6	123.3	121.5	120.5
80°	79.6	81.0	82.1	80.3	80.3
82.5°	48.1	49.5	49.2	49.9	48.5
85°	23.9	24.9	24.9	24.6	24.2
87.5°	8.7	9.0	8.7	9.0	8.7
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)