

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: P506699

Luminaire Tested: **24PD-50-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506699
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-50-PW1-L950
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

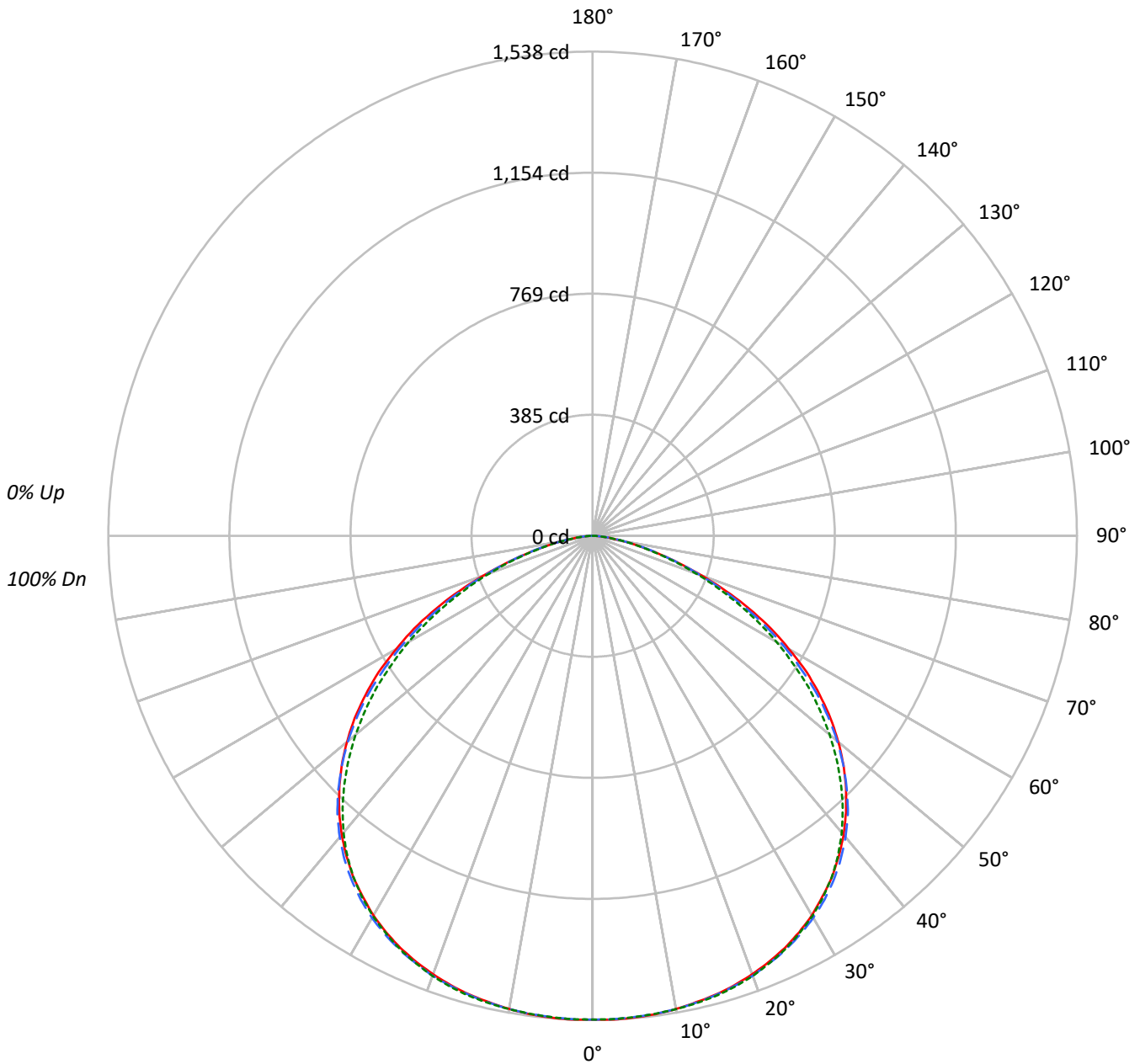
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4506.3 lumens
Efficiency: N/A
Efficacy: 121.5 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): 37.1
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°	2068	2068	2068
5°	2075	2073	2073
10°	2085	2085	2086
15°	2102	2104	2108
20°	2122	2129	2130
25°	2144	2154	2151
30°	2163	2177	2167
35°	2176	2193	2174
40°	2178	2195	2162
45°	2166	2174	2122
50°	2132	2122	2056
55°	2064	2031	1958
60°	1938	1889	1815
65°	1748	1684	1616
70°	1441	1419	1367
75°	1102	1113	1068
80°	765	788	771
85°	457	477	463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	3.2
10°-20°	427.2	9.5
20°-30°	668.1	14.8
30°-40°	831.0	18.4
40°-50°	873.3	19.4
50°-60°	766.6	17.0
60°-70°	522.0	11.6
70°-80°	230.3	5.1
80°-90°	41.5	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°	1241.5	27.6
0°-40°	2072.6	46.0
0°-60°	3712.5	82.4
0°-90°	4506.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4506.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1537	1537	1537	1537	1537	
5°	1536	1536	1534	1533	1534	146
15°	1509	1511	1510	1510	1514	427
25°	1444	1448	1451	1450	1449	666
35°	1325	1331	1335	1329	1324	828
45°	1138	1145	1142	1124	1115	877
55°	880	876	866	843	835	784
65°	549	536	529	517	508	541
75°	212	213	214	210	206	232
85°	30	31	31	30	30	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1536.7	1536.7	1536.7	1536.7	1536.7
2.5°	1538.4	1537.5	1536.7	1535.4	1536.7
5°	1536.2	1535.8	1534.5	1532.8	1534.5
7.5°	1532.8	1532.8	1531.5	1530.2	1531.1
10°	1526.4	1527.7	1526.4	1525.1	1526.8
12.5°	1517.8	1519.9	1519.5	1519.5	1520.8
15°	1509.2	1510.9	1510.5	1510.5	1513.5
17.5°	1497.2	1499.3	1499.8	1500.6	1502.3
20°	1482.2	1485.2	1486.9	1486.5	1487.8
22.5°	1464.6	1468.0	1469.3	1470.2	1469.3
25°	1444.4	1448.3	1450.9	1450.0	1448.7
27.5°	1420.0	1424.3	1427.7	1425.6	1423.0
30°	1392.5	1396.4	1401.5	1397.7	1395.1
32.5°	1358.6	1365.9	1370.6	1365.9	1362.1
35°	1324.7	1330.7	1335.0	1328.6	1323.5
37.5°	1283.6	1290.9	1294.7	1285.7	1280.1
40°	1240.2	1247.5	1249.7	1238.1	1230.8
42.5°	1190.9	1199.0	1199.9	1183.6	1175.5
45°	1138.1	1145.4	1142.4	1123.5	1115.0
47.5°	1081.1	1086.2	1079.8	1060.5	1051.0
50°	1018.4	1021.4	1013.7	991.0	982.0
52.5°	952.4	951.9	942.1	919.3	909.5
55°	879.9	876.4	865.7	843.0	834.8
57.5°	805.7	794.9	783.3	764.0	753.3
60°	720.3	712.1	701.8	682.5	674.4
62.5°	639.6	625.0	616.5	599.3	592.0
65°	549.1	535.8	529.0	517.4	507.5
67.5°	458.2	447.9	443.2	435.0	426.0
70°	366.4	363.4	360.8	353.1	347.5
72.5°	285.3	284.4	284.0	279.7	274.1
75°	211.9	213.2	214.1	210.2	205.5
77.5°	151.0	153.2	152.7	150.6	149.3
80°	98.7	100.4	101.7	99.5	99.5
82.5°	59.6	61.3	60.9	61.8	60.1
85°	29.6	30.9	30.9	30.5	30.0
87.5°	10.7	11.2	10.7	11.2	10.7
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)