

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: P506692

Luminaire Tested: **24PD-50-PW1-L835**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506692
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-L835
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

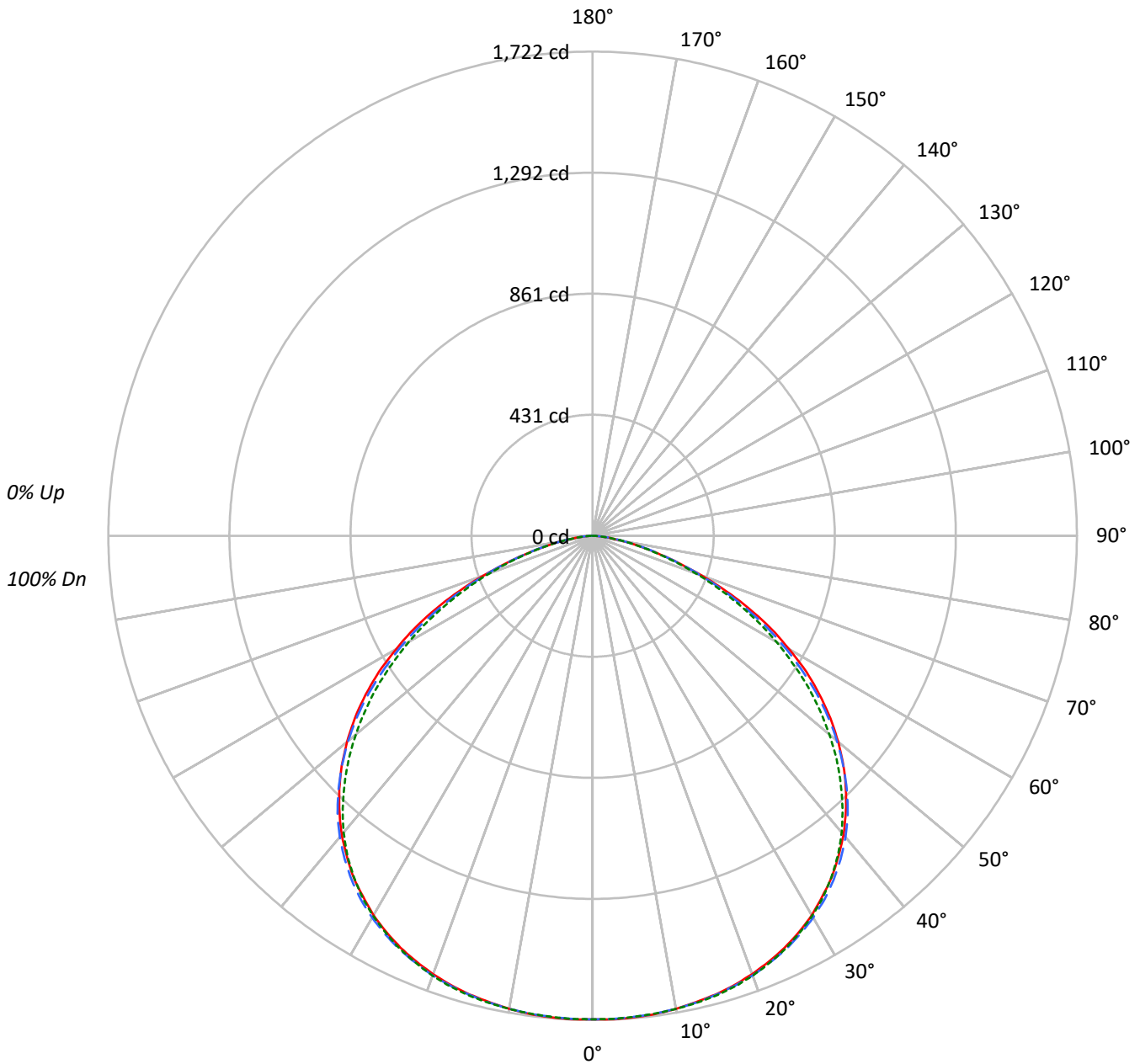
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5042.9 lumens
Efficiency: N/A
Efficacy: 135.9 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				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°	2314	2314	2314
5°	2322	2319	2319
10°	2334	2334	2334
15°	2353	2355	2359
20°	2375	2383	2384
25°	2400	2411	2407
30°	2421	2437	2426
35°	2435	2454	2433
40°	2438	2456	2419
45°	2424	2433	2374
50°	2386	2375	2300
55°	2310	2273	2191
60°	2169	2113	2031
65°	1956	1884	1808
70°	1613	1589	1530
75°	1233	1246	1196
80°	855	882	863
85°	511	534	519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.7	3.2
10°-20°	478.1	9.5
20°-30°	747.7	14.8
30°-40°	930.0	18.4
40°-50°	977.3	19.4
50°-60°	857.9	17.0
60°-70°	584.2	11.6
70°-80°	257.7	5.1
80°-90°	46.4	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°	1389.4	27.6
0°-40°	2319.4	46.0
0°-60°	4154.6	82.4
0°-90°	5042.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5042.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1720	1720	1720	1720	1720	
5°	1719	1719	1717	1715	1717	164
15°	1689	1691	1690	1690	1694	477
25°	1616	1621	1624	1623	1621	745
35°	1482	1489	1494	1487	1481	926
45°	1274	1282	1278	1257	1248	981
55°	985	981	969	943	934	878
65°	614	600	592	579	568	606
75°	237	239	240	235	230	260
85°	33	35	35	34	34	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1719.7	1719.7	1719.7	1719.7	1719.7
2.5°	1721.6	1720.6	1719.7	1718.2	1719.7
5°	1719.2	1718.7	1717.3	1715.3	1717.3
7.5°	1715.3	1715.3	1713.9	1712.5	1713.4
10°	1708.1	1709.6	1708.1	1706.7	1708.6
12.5°	1698.5	1700.9	1700.5	1700.5	1701.9
15°	1688.9	1690.9	1690.4	1690.4	1693.7
17.5°	1675.5	1677.9	1678.4	1679.3	1681.3
20°	1658.7	1662.1	1664.0	1663.5	1664.9
22.5°	1639.0	1642.9	1644.3	1645.3	1644.3
25°	1616.4	1620.8	1623.7	1622.7	1621.2
27.5°	1589.1	1593.9	1597.7	1595.3	1592.4
30°	1558.4	1562.7	1568.4	1564.1	1561.2
32.5°	1520.4	1528.6	1533.9	1528.6	1524.3
35°	1482.5	1489.2	1494.0	1486.8	1481.1
37.5°	1436.4	1444.6	1448.9	1438.8	1432.6
40°	1387.9	1396.1	1398.5	1385.5	1377.4
42.5°	1332.7	1341.8	1342.8	1324.6	1315.4
45°	1273.7	1281.8	1278.5	1257.3	1247.7
47.5°	1209.8	1215.6	1208.4	1186.8	1176.2
50°	1139.7	1143.1	1134.4	1109.0	1098.9
52.5°	1065.8	1065.3	1054.3	1028.8	1017.8
55°	984.7	980.8	968.8	943.4	934.2
57.5°	901.6	889.6	876.6	855.0	843.0
60°	806.1	796.9	785.4	763.8	754.7
62.5°	715.8	699.5	689.9	670.7	662.5
65°	614.5	599.6	591.9	579.0	567.9
67.5°	512.7	501.2	495.9	486.8	476.7
70°	410.0	406.6	403.8	395.1	388.9
72.5°	319.3	318.3	317.8	313.0	306.8
75°	237.2	238.6	239.6	235.2	230.0
77.5°	169.0	171.4	170.9	168.5	167.1
80°	110.4	112.3	113.8	111.4	111.4
82.5°	66.7	68.7	68.2	69.1	67.2
85°	33.1	34.6	34.6	34.1	33.6
87.5°	12.0	12.5	12.0	12.5	12.0
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)