

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: P506348

Luminaire Tested: **22PD-50-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-50-PW1-L950
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

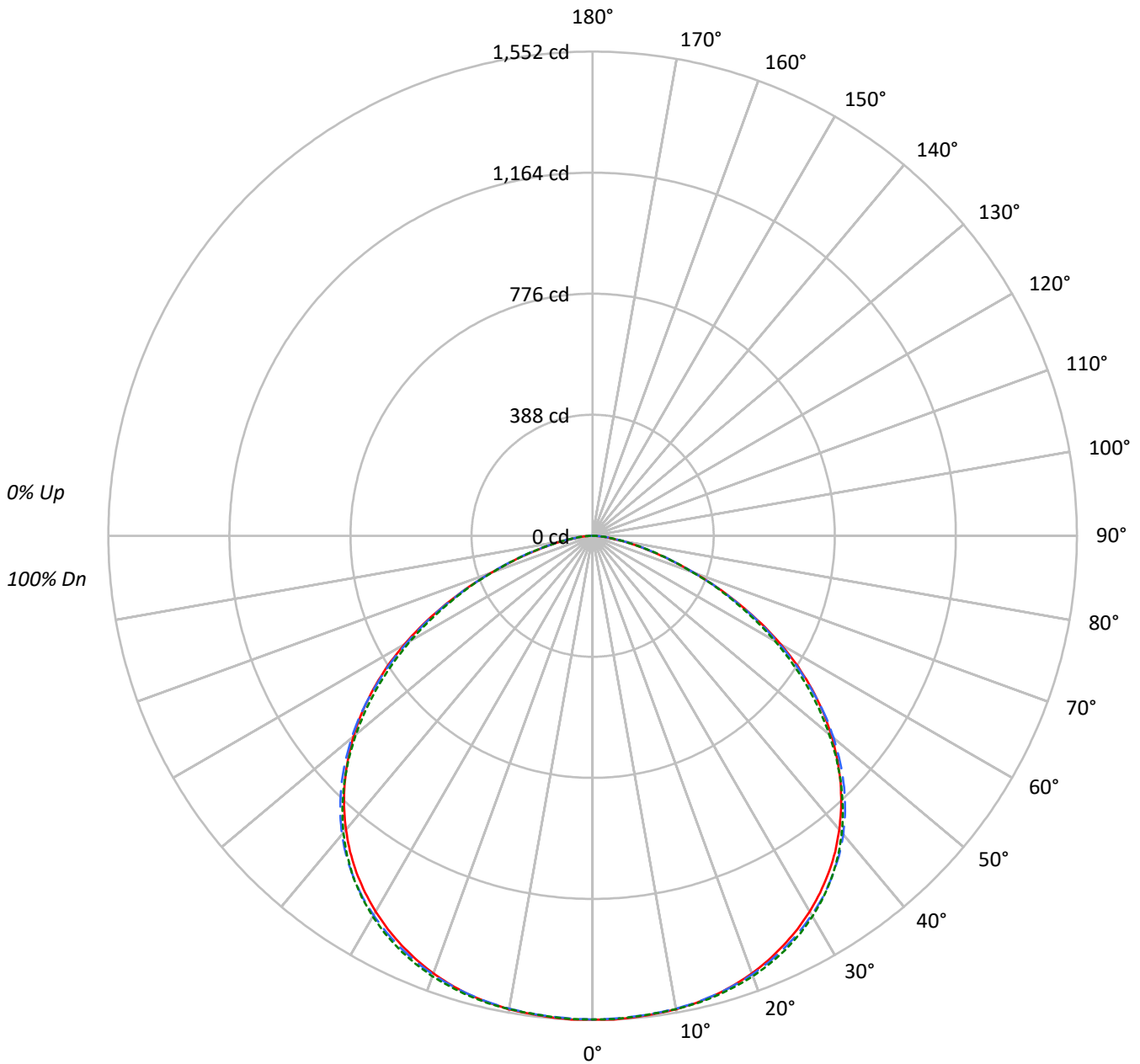
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4482.2 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.9
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	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4173	4173	4173
5°	4184	4178	4180
10°	4211	4205	4210
15°	4244	4243	4255
20°	4275	4285	4302
25°	4301	4326	4346
30°	4322	4364	4379
35°	4333	4389	4391
40°	4320	4390	4365
45°	4277	4338	4286
50°	4190	4220	4144
55°	4027	4009	3934
60°	3749	3707	3630
65°	3307	3275	3211
70°	2707	2721	2664
75°	2051	2120	2103
80°	1486	1547	1520
85°	976	1010	1078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	3.3
10°-20°	430.6	9.6
20°-30°	671.4	15.0
30°-40°	832.2	18.6
40°-50°	870.7	19.4
50°-60°	758.8	16.9
60°-70°	508.3	11.3
70°-80°	220.3	4.9
80°-90°	42.4	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°	1249.5	27.9
0°-40°	2081.6	46.4
0°-60°	3711.1	82.8
0°-90°	4482.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4482.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1551	1551	1551	1551	1551	
5°	1549	1547	1547	1546	1547	148
15°	1523	1521	1523	1524	1527	430
25°	1449	1449	1457	1461	1464	668
35°	1319	1324	1336	1338	1337	825
45°	1124	1130	1140	1130	1126	865
55°	858	858	854	845	838	764
65°	519	516	514	509	504	514
75°	197	201	204	202	202	217
85°	32	34	33	33	35	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1550.6	1550.6	1550.6	1550.6	1550.6
2.5°	1552.2	1549.5	1548.9	1548.9	1550.6
5°	1548.9	1547.3	1546.7	1546.1	1547.3
7.5°	1545.6	1543.4	1543.9	1542.8	1543.9
10°	1541.2	1538.9	1538.9	1538.9	1540.6
12.5°	1533.4	1531.7	1532.3	1533.4	1535.6
15°	1523.4	1521.2	1522.9	1524.5	1527.3
17.5°	1509.6	1507.9	1510.7	1513.4	1515.7
20°	1492.9	1491.3	1496.3	1500.1	1502.4
22.5°	1472.4	1471.9	1478.5	1483.0	1484.6
25°	1448.6	1449.2	1456.9	1461.4	1463.6
27.5°	1421.5	1422.6	1432.5	1436.4	1438.6
30°	1391.0	1393.7	1404.3	1407.6	1409.3
32.5°	1356.6	1360.5	1373.2	1375.5	1375.5
35°	1318.9	1323.9	1336.1	1337.8	1336.7
37.5°	1276.8	1282.4	1296.2	1294.0	1292.3
40°	1229.7	1235.8	1249.7	1245.2	1242.5
42.5°	1179.3	1185.4	1197.6	1190.9	1187.0
45°	1123.9	1130.0	1139.9	1130.5	1126.1
47.5°	1064.0	1071.2	1076.2	1065.7	1060.1
50°	1000.8	1003.1	1008.0	995.9	989.8
52.5°	932.1	932.1	936.0	922.7	915.5
55°	858.4	857.9	854.5	845.1	838.5
57.5°	780.3	777.0	774.7	764.8	757.0
60°	696.6	691.6	688.8	680.5	674.4
62.5°	609.0	606.3	602.9	596.3	589.6
65°	519.3	516.5	514.3	509.3	504.3
67.5°	430.0	428.4	428.4	425.1	424.5
70°	344.1	345.3	345.8	345.8	338.6
72.5°	266.6	267.1	269.9	267.7	267.1
75°	197.3	200.6	203.9	202.3	202.3
77.5°	141.9	146.9	146.9	145.7	144.1
80°	95.9	98.1	99.8	99.2	98.1
82.5°	61.0	62.6	61.0	62.1	62.6
85°	31.6	33.8	32.7	33.3	34.9
87.5°	10.5	11.6	12.2	11.6	11.6
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)