

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: P506321

Luminaire Tested: **22PD-45-PW1-L950**

Issue Date: 3/26/2021

**Test Information**

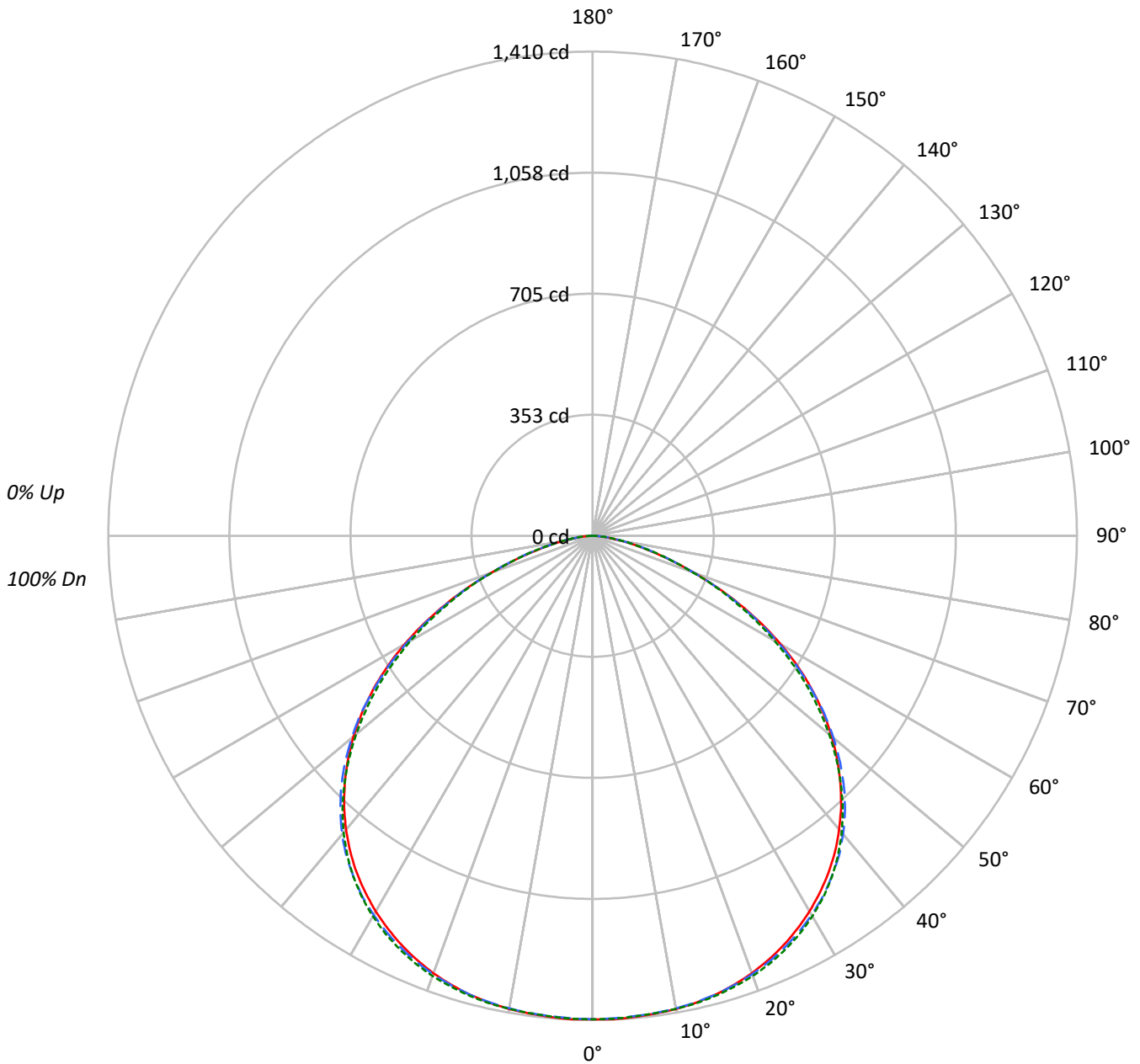
Test Method: LM-79-08  
Report Number: P506321  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-45-PW1-L950  
Description: 4500 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: 4070.2 lumens  
Efficiency: N/A  
Efficacy: 107.7 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): 37.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3789	3789	3789
5°	3799	3794	3795
10°	3824	3819	3823
15°	3854	3853	3864
20°	3882	3891	3907
25°	3906	3928	3946
30°	3925	3962	3976
35°	3935	3986	3987
40°	3923	3986	3963
45°	3884	3939	3892
50°	3805	3832	3763
55°	3657	3641	3572
60°	3405	3366	3296
65°	3002	2974	2916
70°	2459	2471	2419
75°	1862	1926	1910
80°	1350	1404	1381
85°	886	917	979



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.9	3.3
10°-20°	391.0	9.6
20°-30°	609.7	15.0
30°-40°	755.7	18.6
40°-50°	790.7	19.4
50°-60°	689.0	16.9
60°-70°	461.6	11.3
70°-80°	200.1	4.9
80°-90°	38.5	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°	1134.6	27.9
0°-40°	1890.3	46.4
0°-60°	3370.0	82.8
0°-90°	4070.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4070.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1408	1408	1408	1408	1408	
5°	1406	1405	1404	1404	1405	134
15°	1383	1381	1383	1384	1387	391
25°	1315	1316	1323	1327	1329	607
35°	1198	1202	1213	1215	1214	749
45°	1021	1026	1035	1027	1023	786
55°	780	779	776	767	761	694
65°	472	469	467	462	458	466
75°	179	182	185	184	184	197
85°	29	31	30	30	32	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1409.5	1407.0	1406.5	1406.5	1408.0
5°	1406.5	1405.0	1404.5	1404.0	1405.0
7.5°	1403.5	1401.5	1402.0	1401.0	1402.0
10°	1399.5	1397.5	1397.5	1397.5	1399.0
12.5°	1392.4	1390.9	1391.4	1392.4	1394.5
15°	1383.4	1381.4	1382.9	1384.4	1386.9
17.5°	1370.8	1369.3	1371.8	1374.3	1376.3
20°	1355.7	1354.2	1358.7	1362.2	1364.3
22.5°	1337.1	1336.6	1342.6	1346.6	1348.2
25°	1315.4	1315.9	1323.0	1327.0	1329.0
27.5°	1290.8	1291.8	1300.8	1304.4	1306.4
30°	1263.1	1265.6	1275.2	1278.2	1279.7
32.5°	1231.9	1235.4	1247.0	1249.0	1249.0
35°	1197.7	1202.2	1213.3	1214.8	1213.8
37.5°	1159.4	1164.5	1177.1	1175.0	1173.5
40°	1116.7	1122.2	1134.8	1130.8	1128.2
42.5°	1070.9	1076.4	1087.5	1081.4	1077.9
45°	1020.6	1026.1	1035.1	1026.6	1022.6
47.5°	966.2	972.7	977.3	967.7	962.7
50°	908.8	910.8	915.4	904.3	898.8
52.5°	846.4	846.4	850.0	837.9	831.3
55°	779.5	779.0	776.0	767.4	761.4
57.5°	708.5	705.5	703.5	694.5	687.4
60°	632.6	628.0	625.5	618.0	612.4
62.5°	553.0	550.5	547.5	541.5	535.4
65°	471.5	469.0	467.0	462.5	457.9
67.5°	390.5	389.0	389.0	386.0	385.5
70°	312.5	313.5	314.0	314.0	307.5
72.5°	242.1	242.6	245.1	243.1	242.6
75°	179.1	182.2	185.2	183.7	183.7
77.5°	128.8	133.4	133.4	132.3	130.8
80°	87.1	89.1	90.6	90.1	89.1
82.5°	55.4	56.9	55.4	56.4	56.9
85°	28.7	30.7	29.7	30.2	31.7
87.5°	9.6	10.6	11.1	10.6	10.6
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)