

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: P506374

Luminaire Tested: **22PD-55-PW1-L940**

Issue Date: 3/26/2021



**Test Information**

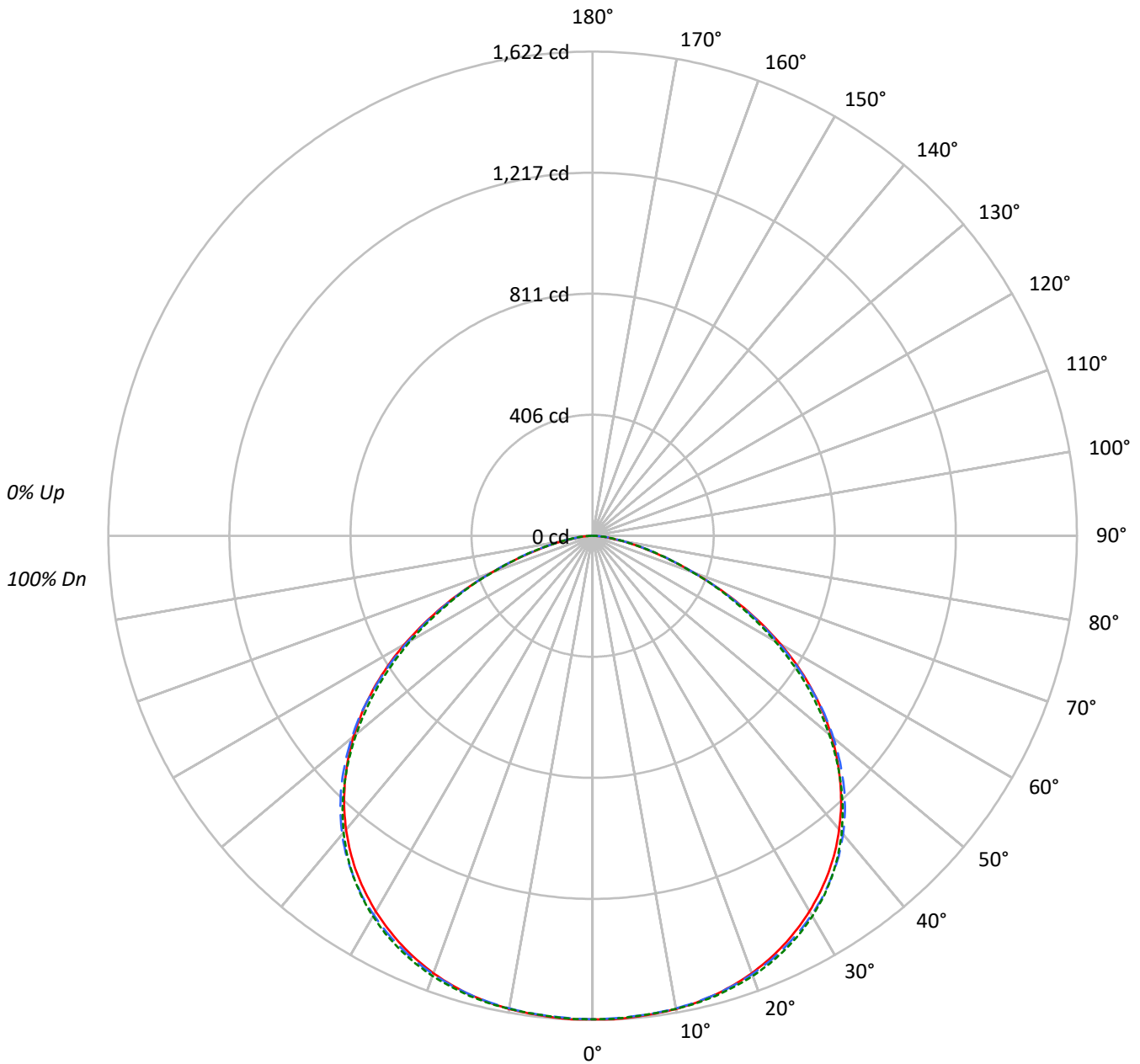
Test Method: LM-79-08  
Report Number: P506374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-55-PW1-L940  
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4682.1 lumens  
Efficiency: N/A  
Efficacy: 103.1 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): 45.4  
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				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	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	84	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°	4359	4359	4359
5°	4371	4364	4366
10°	4399	4393	4397
15°	4433	4432	4445
20°	4466	4476	4494
25°	4493	4519	4540
30°	4515	4558	4574
35°	4526	4585	4587
40°	4513	4586	4559
45°	4468	4532	4477
50°	4377	4408	4328
55°	4207	4188	4109
60°	3916	3873	3792
65°	3454	3421	3354
70°	2829	2842	2783
75°	2143	2215	2197
80°	1551	1615	1588
85°	1019	1056	1127



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.0	3.3
10°-20°	449.9	9.6
20°-30°	701.3	15.0
30°-40°	869.3	18.6
40°-50°	909.6	19.4
50°-60°	792.6	16.9
60°-70°	531.0	11.3
70°-80°	230.2	4.9
80°-90°	44.3	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°	1305.2	27.9
0°-40°	2174.5	46.4
0°-60°	3876.7	82.8
0°-90°	4682.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4682.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1620	1620	1620	1620	1620	
5°	1618	1616	1616	1615	1616	154
15°	1591	1589	1591	1593	1596	450
25°	1513	1514	1522	1527	1529	698
35°	1378	1383	1396	1398	1396	861
45°	1174	1180	1191	1181	1176	904
55°	897	896	893	883	876	798
65°	542	540	537	532	527	537
75°	206	210	213	211	211	227
85°	33	35	34	35	36	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1619.8	1619.8	1619.8	1619.8	1619.8
2.5°	1621.5	1618.6	1618.0	1618.0	1619.8
5°	1618.0	1616.3	1615.7	1615.1	1616.3
7.5°	1614.6	1612.2	1612.8	1611.7	1612.8
10°	1609.9	1607.6	1607.6	1607.6	1609.3
12.5°	1601.8	1600.1	1600.7	1601.8	1604.1
15°	1591.4	1589.1	1590.8	1592.6	1595.5
17.5°	1576.9	1575.2	1578.1	1581.0	1583.3
20°	1559.6	1557.8	1563.0	1567.1	1569.4
22.5°	1538.1	1537.6	1544.5	1549.1	1550.9
25°	1513.2	1513.8	1521.9	1526.6	1528.9
27.5°	1484.9	1486.0	1496.5	1500.5	1502.8
30°	1453.0	1455.9	1466.9	1470.4	1472.1
32.5°	1417.1	1421.2	1434.5	1436.8	1436.8
35°	1377.8	1383.0	1395.7	1397.5	1396.3
37.5°	1333.8	1339.6	1354.0	1351.7	1350.0
40°	1284.6	1290.9	1305.4	1300.8	1297.9
42.5°	1231.9	1238.3	1251.0	1244.1	1240.0
45°	1174.0	1180.4	1190.8	1181.0	1176.3
47.5°	1111.5	1119.0	1124.2	1113.2	1107.4
50°	1045.5	1047.8	1053.0	1040.3	1033.9
52.5°	973.7	973.7	977.8	963.9	956.3
55°	896.7	896.1	892.7	882.8	875.9
57.5°	815.1	811.6	809.3	798.9	790.8
60°	727.7	722.5	719.6	710.9	704.5
62.5°	636.2	633.3	629.8	622.9	616.0
65°	542.4	539.5	537.2	532.0	526.8
67.5°	449.2	447.5	447.5	444.0	443.4
70°	359.5	360.7	361.2	361.2	353.7
72.5°	278.5	279.0	281.9	279.6	279.0
75°	206.1	209.6	213.0	211.3	211.3
77.5°	148.2	153.4	153.4	152.3	150.5
80°	100.1	102.5	104.2	103.6	102.5
82.5°	63.7	65.4	63.7	64.8	65.4
85°	33.0	35.3	34.2	34.7	36.5
87.5°	11.0	12.2	12.7	12.2	12.2
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)