

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: P506375

Luminaire Tested: **22PD-55-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506375
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-L950
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

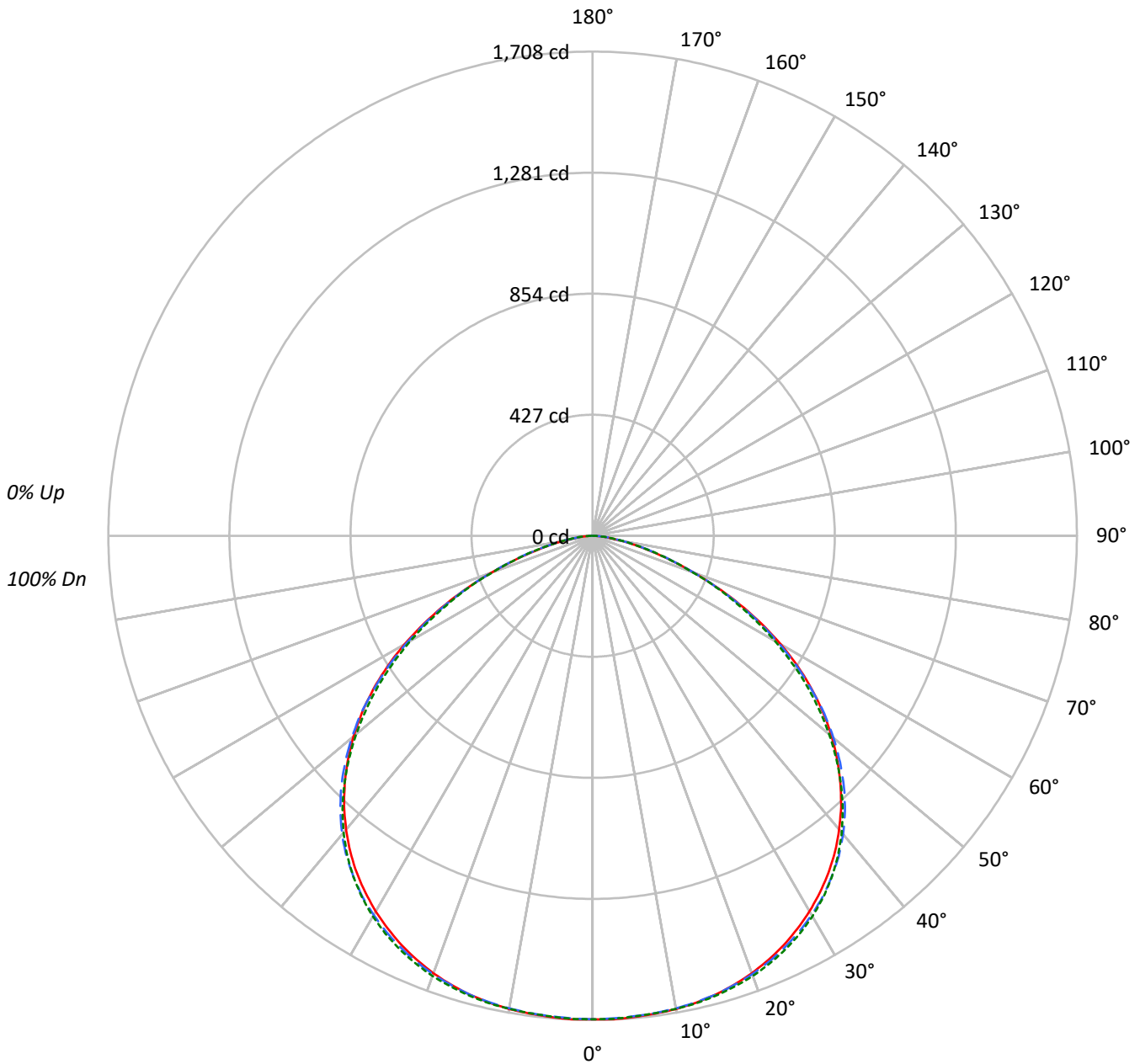
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4930.4 lumens
Efficiency: N/A
Efficacy: 108.6 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_{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	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°	4590	4590	4590
5°	4602	4596	4598
10°	4632	4626	4631
15°	4669	4667	4680
20°	4703	4713	4733
25°	4731	4758	4780
30°	4754	4800	4817
35°	4766	4828	4830
40°	4752	4829	4801
45°	4705	4772	4714
50°	4609	4642	4558
55°	4430	4410	4327
60°	4124	4078	3993
65°	3637	3602	3532
70°	2979	2993	2931
75°	2256	2332	2313
80°	1635	1700	1672
85°	1071	1112	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.2	3.3
10°-20°	473.7	9.6
20°-30°	738.5	15.0
30°-40°	915.4	18.6
40°-50°	957.8	19.4
50°-60°	834.6	16.9
60°-70°	559.1	11.3
70°-80°	242.4	4.9
80°-90°	46.7	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°	1374.4	27.9
0°-40°	2289.8	46.4
0°-60°	4082.2	82.8
0°-90°	4930.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4930.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1706	1706	1706	1706	1706	
5°	1704	1702	1701	1701	1702	162
15°	1676	1673	1675	1677	1680	473
25°	1594	1594	1603	1608	1610	735
35°	1451	1456	1470	1472	1470	907
45°	1236	1243	1254	1244	1239	952
55°	944	944	940	930	922	841
65°	571	568	566	560	555	565
75°	217	221	224	222	222	239
85°	35	37	36	37	38	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1705.6	1705.6	1705.6	1705.6	1705.6
2.5°	1707.5	1704.4	1703.8	1703.8	1705.6
5°	1703.8	1702.0	1701.4	1700.8	1702.0
7.5°	1700.2	1697.7	1698.3	1697.1	1698.3
10°	1695.3	1692.8	1692.8	1692.8	1694.7
12.5°	1686.7	1684.9	1685.5	1686.7	1689.2
15°	1675.8	1673.3	1675.2	1677.0	1680.0
17.5°	1660.5	1658.7	1661.7	1664.8	1667.2
20°	1642.2	1640.4	1645.9	1650.2	1652.6
22.5°	1619.7	1619.1	1626.4	1631.3	1633.1
25°	1593.5	1594.1	1602.6	1607.5	1609.9
27.5°	1563.6	1564.8	1575.8	1580.1	1582.5
30°	1530.1	1533.1	1544.7	1548.4	1550.2
32.5°	1492.3	1496.5	1510.6	1513.0	1513.0
35°	1450.8	1456.3	1469.7	1471.6	1470.3
37.5°	1404.5	1410.6	1425.8	1423.4	1421.6
40°	1352.7	1359.4	1374.6	1369.8	1366.7
42.5°	1297.2	1303.9	1317.3	1310.0	1305.7
45°	1236.3	1243.0	1253.9	1243.6	1238.7
47.5°	1170.4	1178.3	1183.8	1172.2	1166.1
50°	1100.9	1103.4	1108.8	1095.4	1088.7
52.5°	1025.3	1025.3	1029.6	1015.0	1007.0
55°	944.3	943.6	940.0	929.6	922.3
57.5°	858.3	854.6	852.2	841.2	832.7
60°	766.3	760.8	757.7	748.6	741.9
62.5°	669.9	666.9	663.2	655.9	648.6
65°	571.2	568.1	565.7	560.2	554.7
67.5°	473.0	471.2	471.2	467.6	466.9
70°	378.6	379.8	380.4	380.4	372.5
72.5°	293.2	293.8	296.9	294.4	293.8
75°	217.0	220.7	224.3	222.5	222.5
77.5°	156.1	161.5	161.5	160.3	158.5
80°	105.5	107.9	109.7	109.1	107.9
82.5°	67.1	68.9	67.1	68.3	68.9
85°	34.7	37.2	36.0	36.6	38.4
87.5°	11.6	12.8	13.4	12.8	12.8
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)