

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: P506372

Luminaire Tested: **22PD-55-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506372
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-L930
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

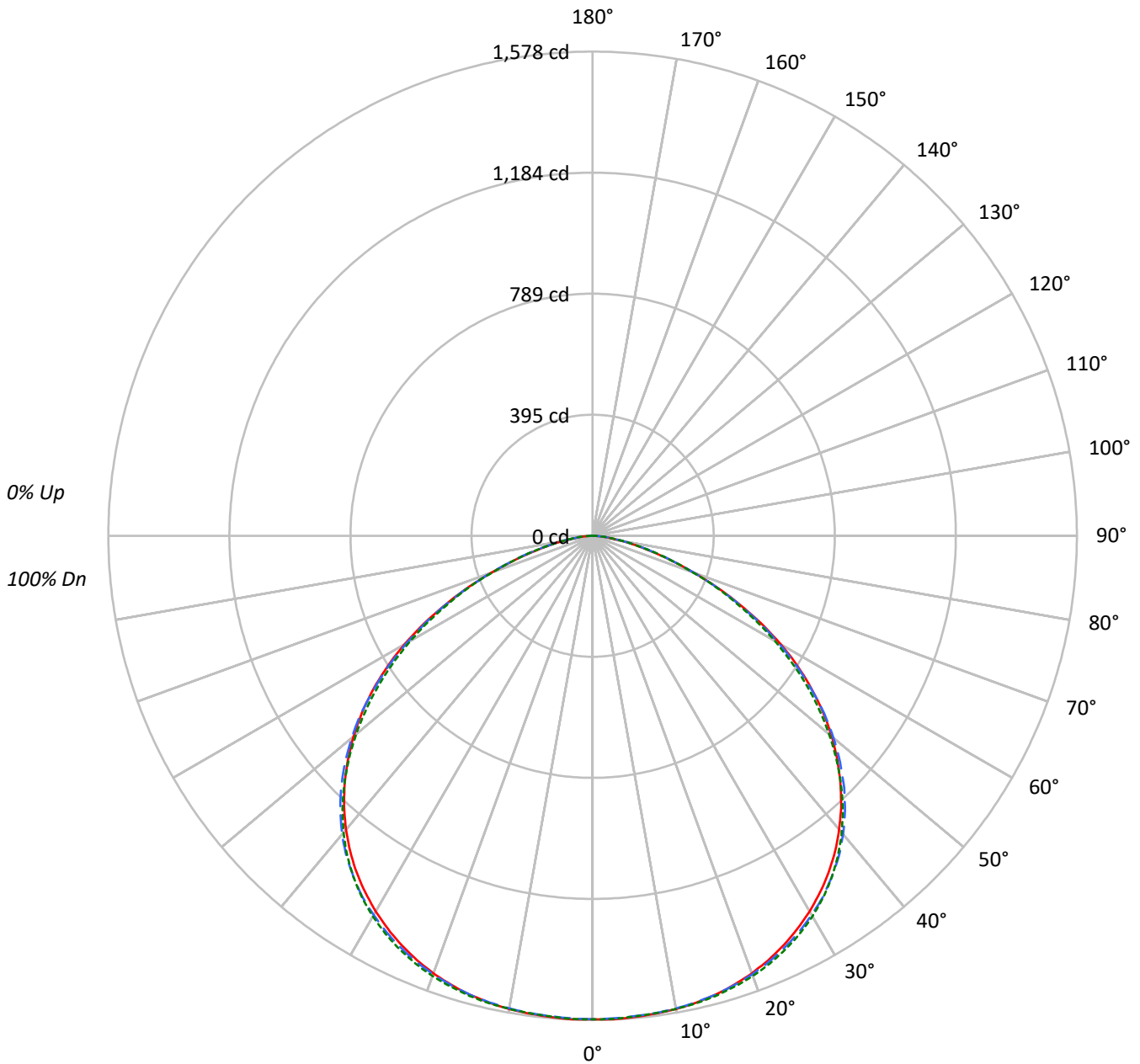
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4555.5 lumens
Efficiency: N/A
Efficacy: 100.3 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°	4241	4241	4241
5°	4253	4246	4248
10°	4280	4274	4279
15°	4314	4312	4325
20°	4345	4355	4373
25°	4372	4397	4417
30°	4393	4435	4451
35°	4404	4461	4463
40°	4390	4462	4436
45°	4347	4409	4356
50°	4258	4289	4212
55°	4093	4075	3998
60°	3810	3768	3689
65°	3361	3328	3264
70°	2752	2766	2707
75°	2085	2155	2138
80°	1509	1571	1545
85°	991	1025	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.9	3.3
10°-20°	437.7	9.6
20°-30°	682.4	15.0
30°-40°	845.8	18.6
40°-50°	885.0	19.4
50°-60°	771.2	16.9
60°-70°	516.6	11.3
70°-80°	223.9	4.9
80°-90°	43.1	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°	1269.9	27.9
0°-40°	2115.7	46.4
0°-60°	3771.9	82.8
0°-90°	4555.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4555.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1576	1576	1576	1576	1576	
5°	1574	1573	1572	1572	1573	150
15°	1548	1546	1548	1550	1552	437
25°	1472	1473	1481	1485	1488	679
35°	1340	1346	1358	1360	1358	838
45°	1142	1148	1159	1149	1144	880
55°	872	872	868	859	852	777
65°	528	525	523	518	513	522
75°	200	204	207	206	206	221
85°	32	34	33	34	36	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1576.0	1576.0	1576.0	1576.0	1576.0
2.5°	1577.6	1574.8	1574.3	1574.3	1576.0
5°	1574.3	1572.6	1572.0	1571.5	1572.6
7.5°	1570.9	1568.6	1569.2	1568.1	1569.2
10°	1566.4	1564.1	1564.1	1564.1	1565.8
12.5°	1558.5	1556.8	1557.4	1558.5	1560.8
15°	1548.4	1546.1	1547.8	1549.5	1552.3
17.5°	1534.3	1532.6	1535.4	1538.2	1540.5
20°	1517.4	1515.7	1520.8	1524.7	1527.0
22.5°	1496.5	1496.0	1502.7	1507.2	1508.9
25°	1472.3	1472.9	1480.8	1485.3	1487.5
27.5°	1444.7	1445.8	1456.0	1459.9	1462.2
30°	1413.7	1416.6	1427.3	1430.6	1432.3
32.5°	1378.8	1382.8	1395.7	1398.0	1398.0
35°	1340.5	1345.6	1358.0	1359.7	1358.5
37.5°	1297.7	1303.3	1317.4	1315.2	1313.5
40°	1249.8	1256.0	1270.1	1265.6	1262.8
42.5°	1198.6	1204.8	1217.2	1210.4	1206.5
45°	1142.3	1148.5	1158.6	1149.0	1144.5
47.5°	1081.4	1088.8	1093.8	1083.1	1077.5
50°	1017.2	1019.5	1024.5	1012.2	1006.0
52.5°	947.4	947.4	951.3	937.8	930.5
55°	872.5	871.9	868.5	858.9	852.2
57.5°	793.0	789.7	787.4	777.3	769.4
60°	708.0	702.9	700.1	691.7	685.5
62.5°	619.0	616.2	612.8	606.1	599.3
65°	527.8	524.9	522.7	517.6	512.6
67.5°	437.1	435.4	435.4	432.0	431.4
70°	349.8	350.9	351.5	351.5	344.1
72.5°	270.9	271.5	274.3	272.0	271.5
75°	200.5	203.9	207.3	205.6	205.6
77.5°	144.2	149.3	149.3	148.1	146.4
80°	97.4	99.7	101.4	100.8	99.7
82.5°	62.0	63.6	62.0	63.1	63.6
85°	32.1	34.4	33.2	33.8	35.5
87.5°	10.7	11.8	12.4	11.8	11.8
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)