

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: P506020

Luminaire Tested: **14PD-55-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-55-PW1-L927
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

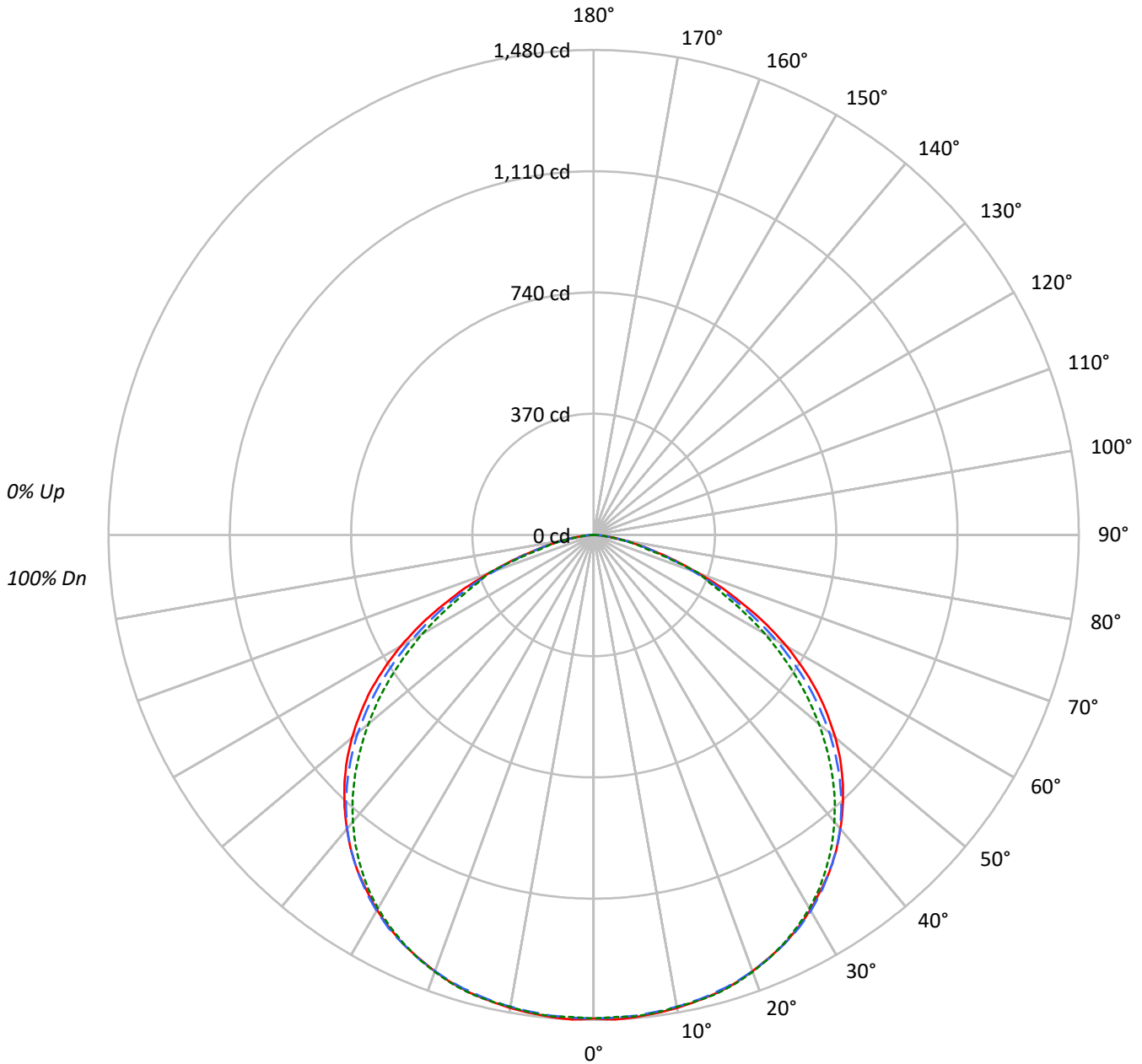
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4201.8 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.1
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

TEST NUMBER: P506020
CATALOG NUMBER: 14PD-55-PW1-L927

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			100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72			72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3970	3970	3970
5°	3990	3979	3983
10°	4006	3995	3997
15°	4033	4024	4038
20°	4058	4055	4062
25°	4088	4088	4081
30°	4108	4115	4089
35°	4120	4120	4069
40°	4113	4110	4014
45°	4091	4043	3913
50°	4029	3931	3754
55°	3905	3741	3537
60°	3658	3456	3241
65°	3239	3054	2852
70°	2644	2526	2664
75°	1994	1960	1760
80°	1435	1344	1344
85°	902	849	747



TEST NUMBER: P506020

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	3.3
10°-20°	408.4	9.7
20°-30°	634.0	15.1
30°-40°	780.9	18.6
40°-50°	813.0	19.3
50°-60°	707.0	16.8
60°-70°	475.0	11.3
70°-80°	205.6	4.9
80°-90°	37.7	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°	1182.7	28.1
0°-40°	1963.5	46.7
0°-60°	3483.5	82.9
0°-90°	4201.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4201.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1475	1475	1475	1475	1475	
5°	1477	1468	1473	1476	1474	141
15°	1448	1438	1444	1450	1450	409
25°	1377	1370	1377	1377	1374	635
35°	1254	1251	1254	1244	1238	784
45°	1075	1072	1062	1038	1028	828
55°	832	817	797	766	754	740
65°	509	500	480	457	448	504
75°	192	194	188	193	169	211
85°	29	30	28	24	24	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1475.4	1475.4	1475.4	1475.4	1475.4
2.5°	1480.4	1471.2	1474.5	1479.5	1472.9
5°	1477.0	1467.9	1472.9	1476.2	1474.5
7.5°	1472.0	1465.4	1467.9	1471.2	1470.4
10°	1466.2	1459.5	1462.0	1465.4	1462.8
12.5°	1457.0	1449.5	1454.5	1457.8	1457.0
15°	1447.8	1437.8	1444.5	1449.5	1449.5
17.5°	1434.5	1426.2	1432.8	1437.0	1436.2
20°	1417.0	1411.1	1416.1	1419.5	1418.6
22.5°	1397.0	1392.8	1398.6	1398.6	1398.6
25°	1376.9	1370.3	1376.9	1376.9	1374.4
27.5°	1351.1	1345.3	1353.6	1351.1	1346.9
30°	1321.9	1318.6	1324.4	1320.2	1316.1
32.5°	1287.7	1286.0	1291.9	1283.5	1280.2
35°	1254.3	1251.0	1254.3	1243.5	1238.5
37.5°	1215.1	1211.8	1215.1	1201.0	1193.5
40°	1170.9	1168.4	1170.1	1151.8	1142.6
42.5°	1125.1	1122.6	1118.4	1095.9	1088.4
45°	1075.0	1071.7	1062.5	1038.3	1028.3
47.5°	1021.7	1015.8	1002.5	976.6	963.3
50°	962.4	954.1	939.1	910.7	896.6
52.5°	898.2	888.2	869.0	840.7	827.3
55°	832.3	817.3	797.3	765.6	753.9
57.5°	757.3	741.4	720.6	691.4	678.0
60°	679.7	663.9	642.2	615.5	602.2
62.5°	597.1	583.0	561.3	536.3	524.6
65°	508.7	499.6	479.6	457.0	447.9
67.5°	425.3	416.2	399.5	380.3	383.6
70°	336.1	335.3	321.1	307.7	338.6
72.5°	261.9	260.2	252.7	246.0	244.4
75°	191.8	193.5	188.5	192.7	169.3
77.5°	135.1	136.8	135.9	124.3	130.1
80°	92.6	92.6	86.7	82.6	86.7
82.5°	55.9	66.7	60.0	49.2	47.5
85°	29.2	30.0	27.5	24.2	24.2
87.5°	10.8	12.5	10.8	10.0	9.2
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)