

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: P506002

Luminaire Tested: **14PD-55-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-55-PL1-L927
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

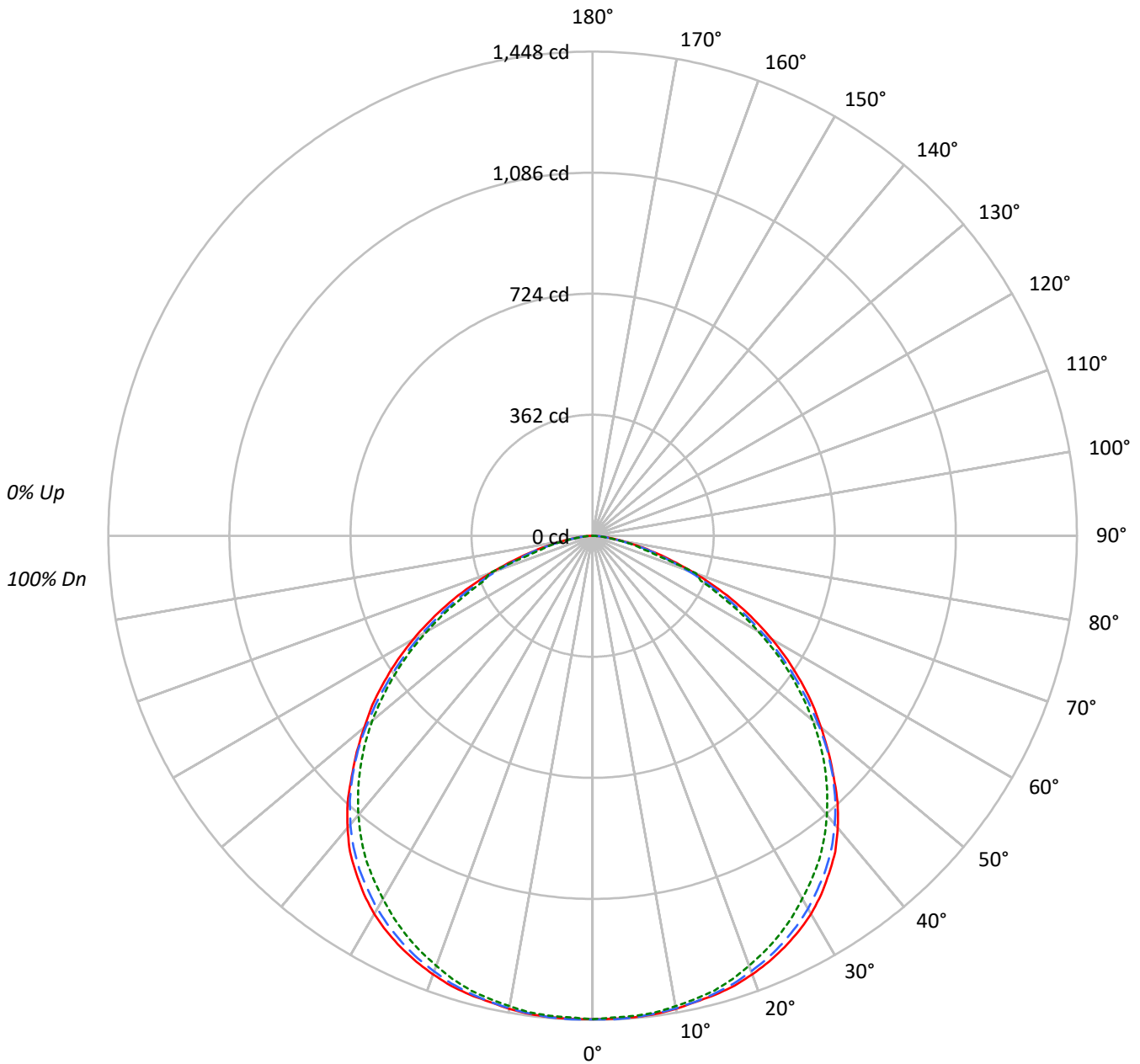
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4018.5 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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: P506002
CATALOG NUMBER: 14PD-55-PL1-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								
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85								
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72								
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61								
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52								
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45								
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40								
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35								
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31								
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28								
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3891	3891	3891
5°	3904	3906	3893
10°	3925	3921	3903
15°	3957	3946	3922
20°	3997	3970	3918
25°	4031	3991	3916
30°	4058	4002	3896
35°	4048	3996	3881
40°	4005	3958	3827
45°	3877	3865	3741
50°	3730	3696	3597
55°	3568	3464	3386
60°	3333	3183	3077
65°	3003	2816	2664
70°	2511	2355	2586
75°	1982	1907	1651
80°	1427	1268	1292
85°	908	760	710



TEST NUMBER: P506002

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	3.4
10°-20°	399.6	9.9
20°-30°	617.8	15.4
30°-40°	756.1	18.8
40°-50°	775.2	19.3
50°-60°	660.2	16.4
60°-70°	441.2	11.0
70°-80°	195.5	4.9
80°-90°	35.4	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°	1154.9	28.7
0°-40°	1911.0	47.6
0°-60°	3346.4	83.3
0°-90°	4018.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4018.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1446	1446	1446	1446	1446	
5°	1445	1442	1446	1445	1441	138
15°	1420	1416	1416	1412	1408	402
25°	1358	1353	1344	1327	1319	626
35°	1232	1229	1216	1189	1182	771
45°	1019	1022	1016	992	983	786
55°	761	757	738	723	722	679
65°	472	468	442	422	418	465
75°	191	193	183	184	159	206
85°	29	29	25	24	23	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.9	1445.9	1445.9	1445.9	1445.9
2.5°	1445.9	1443.5	1447.5	1449.0	1441.9
5°	1445.1	1441.9	1445.9	1445.1	1441.1
7.5°	1442.7	1437.1	1441.1	1439.5	1437.9
10°	1436.3	1431.6	1434.8	1432.4	1428.4
12.5°	1427.6	1424.4	1426.8	1424.4	1418.9
15°	1420.5	1415.7	1416.5	1412.5	1407.8
17.5°	1410.9	1403.8	1403.8	1395.8	1390.3
20°	1395.8	1389.5	1386.3	1375.2	1368.1
22.5°	1378.4	1373.6	1367.3	1353.0	1345.0
25°	1357.7	1353.0	1344.2	1326.8	1318.8
27.5°	1333.9	1327.6	1318.0	1297.4	1287.9
30°	1306.1	1298.2	1287.9	1264.8	1253.7
32.5°	1272.0	1266.4	1252.9	1229.1	1218.8
35°	1232.3	1229.1	1216.4	1189.4	1181.5
37.5°	1191.8	1185.4	1174.3	1145.7	1137.8
40°	1140.2	1136.2	1126.7	1098.9	1089.4
42.5°	1084.6	1082.2	1074.3	1048.1	1037.8
45°	1018.7	1021.9	1015.5	992.5	983.0
47.5°	956.0	954.4	952.0	931.4	923.4
50°	890.9	887.7	882.9	866.2	859.1
52.5°	829.7	823.4	810.7	796.4	791.6
55°	760.6	756.7	738.4	723.3	721.7
57.5°	690.8	688.4	666.2	648.7	648.7
60°	619.3	616.1	591.5	573.3	571.7
62.5°	544.7	542.3	516.9	496.2	497.0
65°	471.6	467.7	442.3	422.4	418.4
67.5°	395.4	393.8	369.2	350.9	349.4
70°	319.2	319.2	299.3	283.5	328.7
72.5°	251.7	249.3	233.4	226.3	216.0
75°	190.6	192.9	183.4	184.2	158.8
77.5°	135.8	131.8	127.8	119.1	126.2
80°	92.1	89.7	81.8	79.4	83.4
82.5°	57.2	58.0	50.8	46.1	45.3
85°	29.4	28.6	24.6	23.8	23.0
87.5°	11.1	11.9	10.3	9.5	8.7
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)