

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: P506003

Luminaire Tested: **14PD-55-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506003
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-L930
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

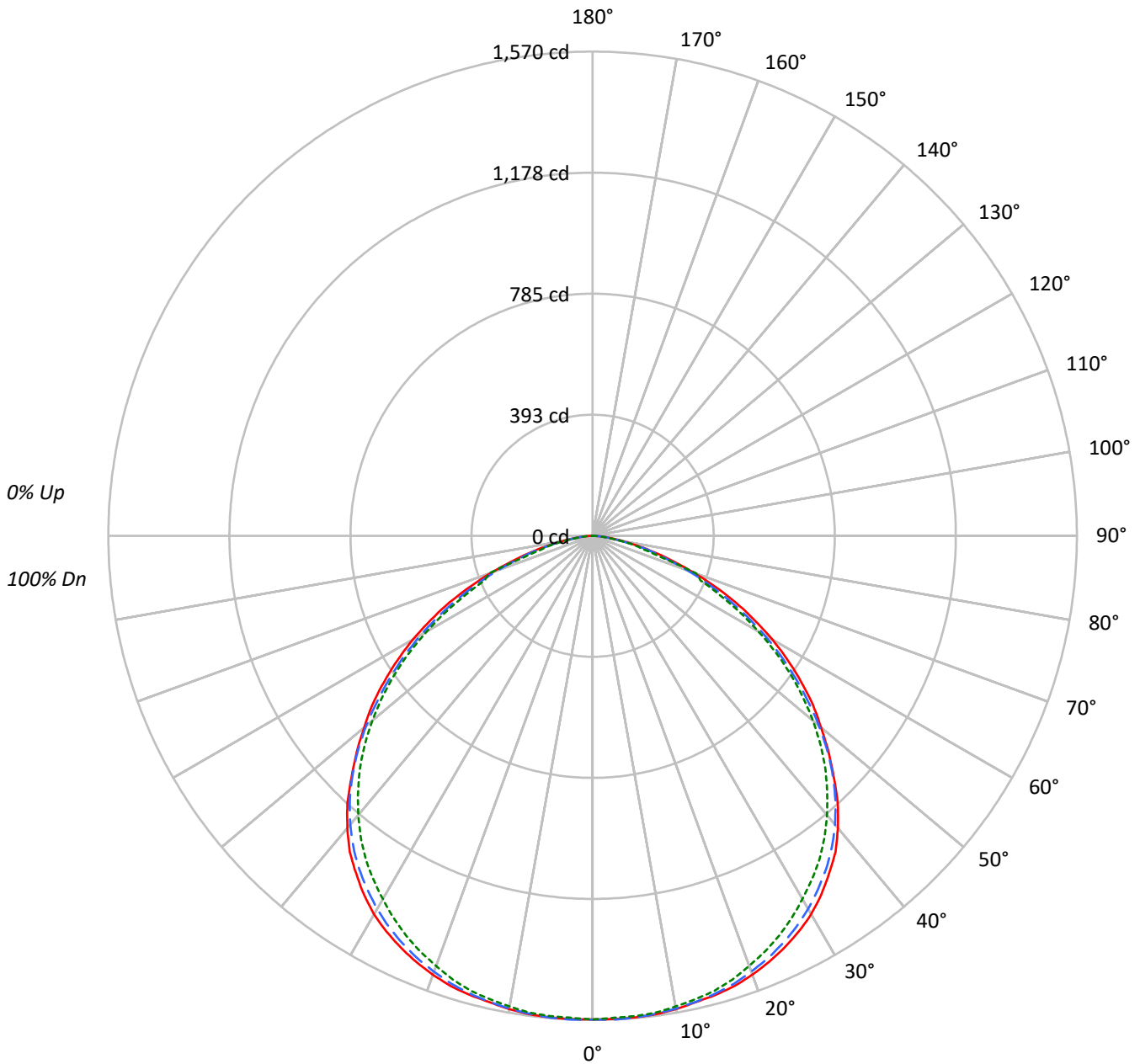
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4359.7 lumens
Efficiency: N/A
Efficacy: 80.6 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: P506003
CATALOG NUMBER: 14PD-55-PL1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P506003

CATALOG NUMBER: 14PD-55-PL1-L930

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	4221	4221	4221
5°	4235	4237	4223
10°	4258	4253	4235
15°	4293	4281	4255
20°	4337	4307	4250
25°	4374	4330	4248
30°	4403	4341	4227
35°	4392	4335	4211
40°	4345	4294	4152
45°	4206	4193	4058
50°	4046	4010	3902
55°	3871	3758	3674
60°	3616	3454	3338
65°	3258	3055	2891
70°	2725	2555	2806
75°	2149	2069	1791
80°	1548	1375	1401
85°	985	824	772



TEST NUMBER: P506003

CATALOG NUMBER: 14PD-55-PL1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	3.4
10°-20°	433.5	9.9
20°-30°	670.3	15.4
30°-40°	820.4	18.8
40°-50°	841.0	19.3
50°-60°	716.3	16.4
60°-70°	478.7	11.0
70°-80°	212.1	4.9
80°-90°	38.4	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°	1252.9	28.7
0°-40°	2073.3	47.6
0°-60°	3630.6	83.3
0°-90°	4359.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4359.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1569	1569	1569	1569	1569	
5°	1568	1564	1569	1568	1564	149
15°	1541	1536	1537	1532	1527	436
25°	1473	1468	1458	1439	1431	679
35°	1337	1334	1320	1290	1282	836
45°	1105	1109	1102	1077	1066	853
55°	825	821	801	785	783	736
65°	512	507	480	458	454	504
75°	207	209	199	200	172	224
85°	32	31	27	26	25	42
90°	0	0	0	0	0	



TEST NUMBER: P506003

CATALOG NUMBER: 14PD-55-PL1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1568.6	1568.6	1568.6	1568.6	1568.6
2.5°	1568.6	1566.0	1570.4	1572.1	1564.3
5°	1567.8	1564.3	1568.6	1567.8	1563.5
7.5°	1565.2	1559.2	1563.5	1561.7	1560.0
10°	1558.3	1553.1	1556.6	1554.0	1549.7
12.5°	1548.8	1545.4	1548.0	1545.4	1539.3
15°	1541.1	1535.9	1536.8	1532.5	1527.3
17.5°	1530.7	1523.0	1523.0	1514.4	1508.3
20°	1514.4	1507.5	1504.0	1492.0	1484.2
22.5°	1495.4	1490.2	1483.4	1467.8	1459.2
25°	1473.0	1467.8	1458.4	1439.4	1430.8
27.5°	1447.2	1440.3	1429.9	1407.5	1397.2
30°	1417.0	1408.4	1397.2	1372.2	1360.2
32.5°	1380.0	1374.0	1359.3	1333.5	1322.3
35°	1336.9	1333.5	1319.7	1290.4	1281.8
37.5°	1293.0	1286.1	1274.0	1243.0	1234.4
40°	1237.0	1232.7	1222.3	1192.2	1181.9
42.5°	1176.7	1174.1	1165.5	1137.1	1125.9
45°	1105.2	1108.6	1101.7	1076.8	1066.4
47.5°	1037.1	1035.4	1032.8	1010.4	1001.8
50°	966.5	963.1	957.9	939.8	932.0
52.5°	900.2	893.3	879.5	864.0	858.8
55°	825.2	820.9	801.1	784.7	783.0
57.5°	749.4	746.8	722.7	703.8	703.8
60°	671.9	668.5	641.8	621.9	620.2
62.5°	590.9	588.3	560.8	538.4	539.2
65°	511.7	507.4	479.8	458.3	454.0
67.5°	429.0	427.3	400.6	380.7	379.0
70°	346.3	346.3	324.8	307.5	356.6
72.5°	273.1	270.5	253.3	245.5	234.3
75°	206.7	209.3	199.0	199.8	172.3
77.5°	147.3	143.0	138.7	129.2	137.0
80°	99.9	97.3	88.7	86.1	90.4
82.5°	62.0	62.9	55.1	50.0	49.1
85°	31.9	31.0	26.7	25.8	25.0
87.5°	12.1	12.9	11.2	10.3	9.5
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)