

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: P506355

Luminaire Tested: **22PD-55-PL1-L935**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-55-PL1-L935
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

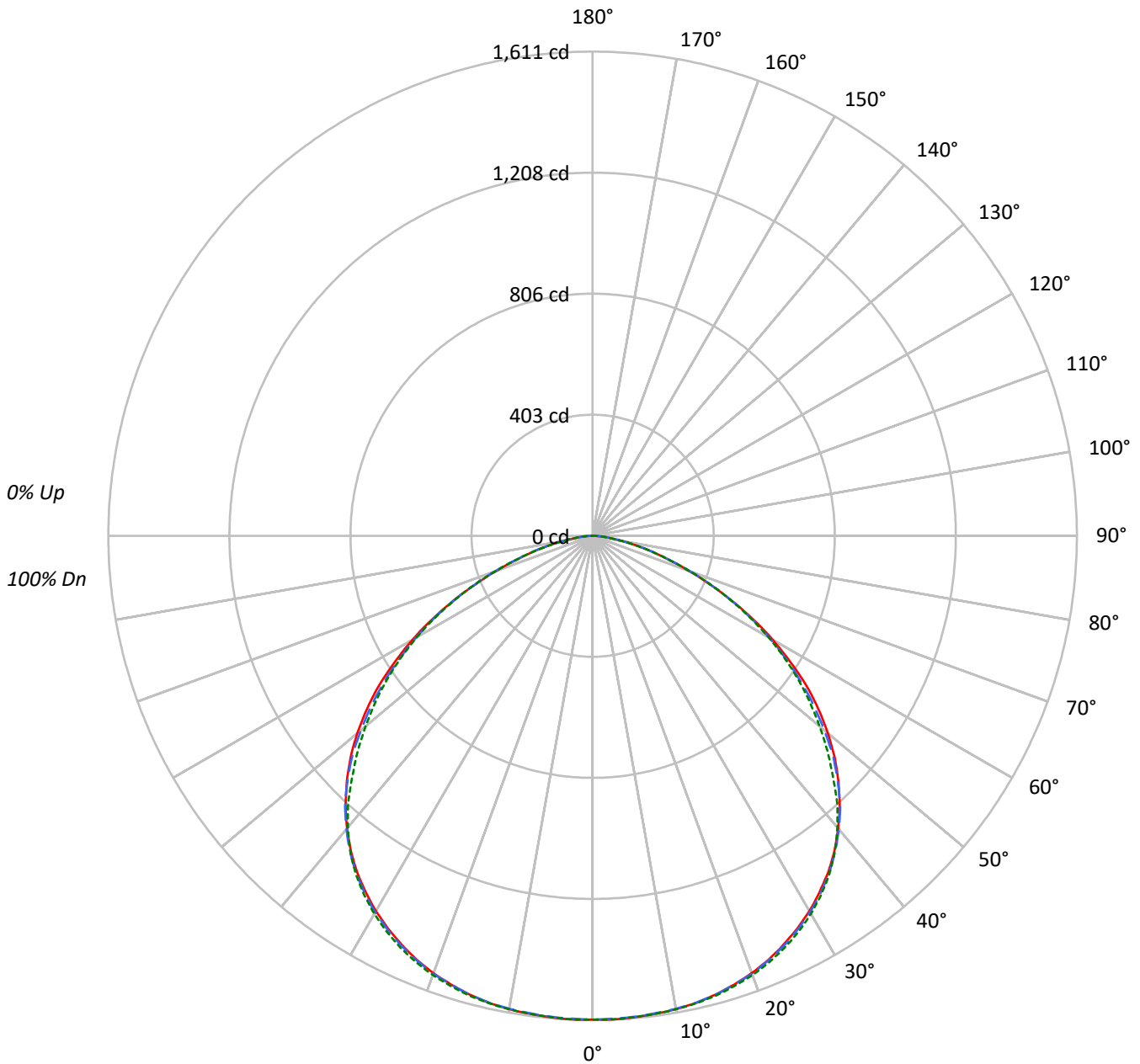
Lumens per Lamp: N/A
Luminaire Lumens: 4559.8 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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									
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	97	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	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4332	4332	4332
5°	4344	4340	4341
10°	4371	4367	4371
15°	4403	4403	4412
20°	4435	4440	4454
25°	4459	4469	4491
30°	4481	4495	4513
35°	4488	4503	4512
40°	4464	4476	4448
45°	4401	4388	4299
50°	4276	4210	4124
55°	4069	3965	3920
60°	3725	3655	3633
65°	3249	3241	3230
70°	2662	2707	2698
75°	2110	2145	2110
80°	1547	1537	1528
85°	1031	1016	1084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	3.4
10°-20°	446.7	9.8
20°-30°	694.3	15.2
30°-40°	855.9	18.8
40°-50°	884.1	19.4
50°-60°	756.5	16.6
60°-70°	504.9	11.1
70°-80°	221.6	4.9
80°-90°	42.8	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°	1294.1	28.4
0°-40°	2150.0	47.2
0°-60°	3790.6	83.1
0°-90°	4559.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4559.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1610	1610	1610	1610	1610	
5°	1608	1606	1606	1605	1607	153
15°	1580	1579	1580	1582	1584	447
25°	1502	1502	1505	1510	1512	693
35°	1366	1366	1371	1374	1374	854
45°	1156	1156	1153	1142	1130	890
55°	867	856	845	841	836	771
65°	510	509	509	511	507	506
75°	203	201	206	205	203	220
85°	33	33	33	34	35	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1609.9	1609.9	1609.9	1609.9	1609.9
2.5°	1611.0	1608.7	1608.2	1608.2	1611.0
5°	1608.2	1605.9	1606.5	1605.3	1607.0
7.5°	1604.2	1601.9	1602.5	1601.9	1604.2
10°	1599.7	1597.4	1598.0	1597.4	1599.7
12.5°	1591.7	1590.0	1591.2	1591.7	1593.4
15°	1580.4	1578.7	1580.4	1581.5	1583.8
17.5°	1565.6	1564.5	1566.2	1567.9	1570.7
20°	1548.6	1547.5	1550.3	1552.0	1555.4
22.5°	1527.7	1526.5	1529.4	1533.3	1535.6
25°	1501.6	1501.6	1505.0	1509.5	1512.4
27.5°	1473.8	1473.2	1477.2	1481.7	1484.6
30°	1442.1	1440.9	1446.6	1450.6	1452.3
32.5°	1405.2	1405.8	1410.9	1414.9	1415.4
35°	1366.1	1366.1	1370.6	1373.5	1373.5
37.5°	1321.3	1320.8	1325.3	1326.4	1324.7
40°	1270.9	1271.4	1274.3	1273.7	1266.3
42.5°	1216.5	1217.0	1219.3	1211.4	1204.0
45°	1156.4	1155.8	1153.0	1142.2	1129.7
47.5°	1092.3	1089.5	1085.0	1068.5	1059.4
50°	1021.5	1016.9	1005.6	992.6	985.2
52.5°	946.6	938.7	927.4	917.2	910.9
55°	867.3	856.5	845.2	840.6	835.5
57.5°	778.9	772.1	762.4	760.1	756.7
60°	692.1	684.8	679.1	679.1	675.1
62.5°	601.4	596.9	594.6	595.8	591.8
65°	510.2	509.0	509.0	510.7	507.3
67.5°	421.7	424.0	423.4	429.1	424.6
70°	338.4	342.4	344.1	349.7	342.9
72.5°	266.4	267.0	269.3	271.0	267.6
75°	202.9	201.2	206.3	205.2	202.9
77.5°	146.8	145.7	147.4	148.5	145.7
80°	99.8	98.6	99.2	100.9	98.6
82.5°	62.9	61.8	61.8	63.5	62.9
85°	33.4	32.9	32.9	34.0	35.1
87.5°	11.9	11.3	11.9	11.9	11.9
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)