

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: P506354

Luminaire Tested: **22PD-55-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506354
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-L930
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

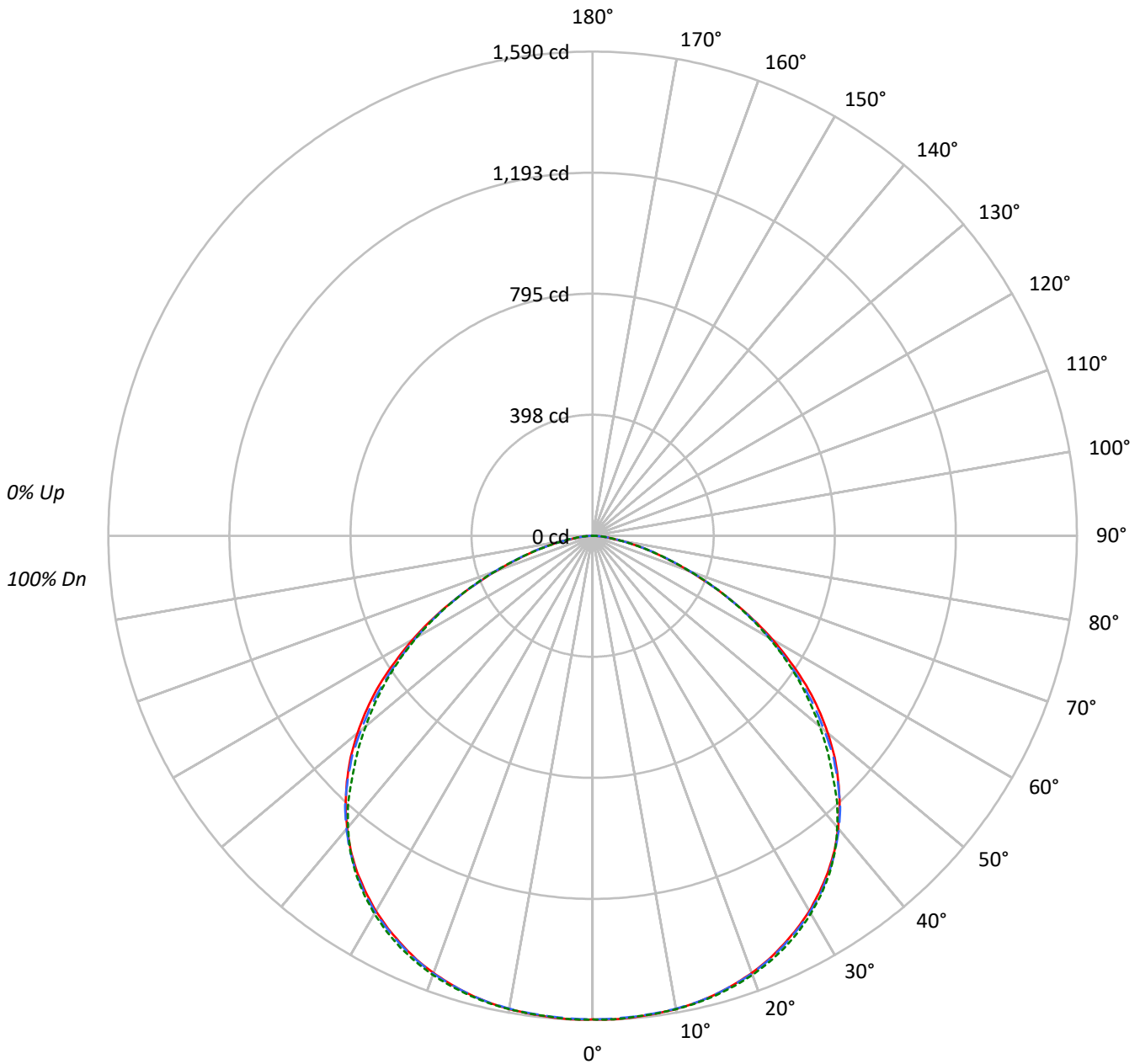
Lumens per Lamp: N/A
Luminaire Lumens: 4499.3 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4275	4275	4275
5°	4286	4282	4283
10°	4313	4308	4313
15°	4344	4344	4354
20°	4376	4381	4395
25°	4399	4409	4431
30°	4421	4435	4453
35°	4428	4443	4452
40°	4405	4417	4389
45°	4342	4330	4242
50°	4219	4154	4070
55°	4015	3913	3868
60°	3675	3606	3585
65°	3205	3198	3188
70°	2627	2671	2662
75°	2082	2117	2082
80°	1525	1517	1508
85°	1019	1000	1071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	3.4
10°-20°	440.8	9.8
20°-30°	685.1	15.2
30°-40°	844.6	18.8
40°-50°	872.4	19.4
50°-60°	746.4	16.6
60°-70°	498.2	11.1
70°-80°	218.6	4.9
80°-90°	42.3	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°	1276.9	28.4
0°-40°	2121.4	47.2
0°-60°	3740.2	83.1
0°-90°	4499.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4499.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1588	1588	1588	1588	1588	
5°	1587	1585	1585	1584	1586	151
15°	1559	1558	1559	1560	1563	441
25°	1482	1482	1485	1490	1492	683
35°	1348	1348	1352	1355	1355	842
45°	1141	1140	1138	1127	1115	878
55°	856	845	834	830	824	761
65°	503	502	502	504	501	499
75°	200	199	204	202	200	217
85°	33	32	32	34	35	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1588.5	1588.5	1588.5	1588.5	1588.5
2.5°	1589.6	1587.4	1586.8	1586.8	1589.6
5°	1586.8	1584.6	1585.1	1584.0	1585.7
7.5°	1582.9	1580.7	1581.2	1580.7	1582.9
10°	1578.4	1576.2	1576.7	1576.2	1578.4
12.5°	1570.6	1568.9	1570.0	1570.6	1572.3
15°	1559.4	1557.7	1559.4	1560.5	1562.8
17.5°	1544.9	1543.7	1545.4	1547.1	1549.9
20°	1528.1	1527.0	1529.8	1531.4	1534.8
22.5°	1507.4	1506.3	1509.1	1513.0	1515.2
25°	1481.7	1481.7	1485.0	1489.5	1492.3
27.5°	1454.2	1453.7	1457.6	1462.1	1464.9
30°	1422.9	1421.8	1427.4	1431.3	1433.0
32.5°	1386.6	1387.1	1392.2	1396.1	1396.6
35°	1348.0	1348.0	1352.4	1355.2	1355.2
37.5°	1303.8	1303.2	1307.7	1308.8	1307.1
40°	1254.0	1254.6	1257.4	1256.8	1249.5
42.5°	1200.3	1200.9	1203.1	1195.3	1188.0
45°	1141.0	1140.5	1137.7	1127.0	1114.7
47.5°	1077.8	1075.0	1070.5	1054.3	1045.4
50°	1007.9	1003.4	992.2	979.4	972.1
52.5°	934.1	926.2	915.1	905.0	898.8
55°	855.8	845.1	834.0	829.5	824.4
57.5°	768.5	761.8	752.3	750.1	746.7
60°	682.9	675.7	670.1	670.1	666.2
62.5°	593.4	589.0	586.7	587.9	583.9
65°	503.4	502.3	502.3	504.0	500.6
67.5°	416.1	418.4	417.8	423.4	418.9
70°	333.9	337.8	339.5	345.1	338.4
72.5°	262.9	263.4	265.7	267.4	264.0
75°	200.2	198.6	203.6	202.5	200.2
77.5°	144.9	143.7	145.4	146.5	143.7
80°	98.4	97.3	97.9	99.6	97.3
82.5°	62.1	61.0	61.0	62.6	62.1
85°	33.0	32.4	32.4	33.6	34.7
87.5°	11.7	11.2	11.7	11.7	11.7
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)