

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: P506356

Luminaire Tested: **22PD-55-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506356
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-L940
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

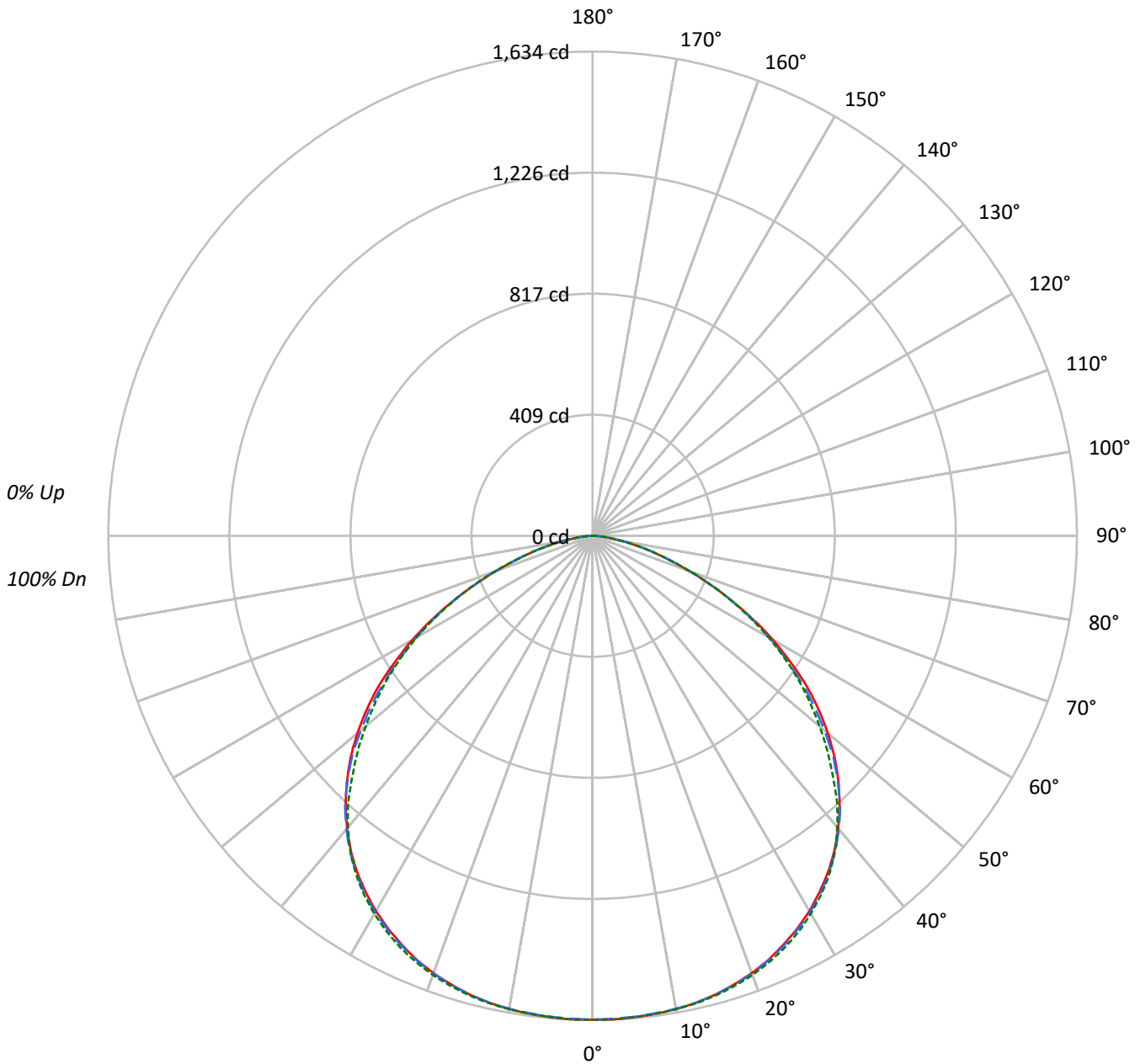
Lumens per Lamp: N/A
Luminaire Lumens: 4624.3 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4393	4393	4393
5°	4405	4401	4403
10°	4433	4428	4433
15°	4465	4465	4475
20°	4497	4503	4517
25°	4521	4532	4554
30°	4544	4559	4576
35°	4551	4566	4576
40°	4528	4540	4512
45°	4463	4450	4360
50°	4337	4269	4183
55°	4127	4021	3976
60°	3778	3707	3685
65°	3294	3287	3276
70°	2700	2745	2736
75°	2140	2176	2140
80°	1568	1559	1550
85°	1047	1028	1099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.2	3.4
10°-20°	453.0	9.8
20°-30°	704.1	15.2
30°-40°	868.0	18.8
40°-50°	896.6	19.4
50°-60°	767.2	16.6
60°-70°	512.0	11.1
70°-80°	224.7	4.9
80°-90°	43.4	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°	1312.4	28.4
0°-40°	2180.4	47.2
0°-60°	3844.2	83.1
0°-90°	4624.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4624.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1633	1633	1633	1633	1633	
5°	1631	1629	1629	1628	1630	155
15°	1603	1601	1603	1604	1606	453
25°	1523	1523	1526	1531	1534	702
35°	1385	1385	1390	1393	1393	866
45°	1173	1172	1169	1158	1146	903
55°	880	869	857	852	847	782
65°	517	516	516	518	514	513
75°	206	204	209	208	206	223
85°	34	33	33	34	36	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1632.6	1632.6	1632.6	1632.6	1632.6
2.5°	1633.8	1631.5	1630.9	1630.9	1633.8
5°	1630.9	1628.6	1629.2	1628.0	1629.8
7.5°	1626.9	1624.6	1625.2	1624.6	1626.9
10°	1622.3	1620.0	1620.6	1620.0	1622.3
12.5°	1614.2	1612.5	1613.7	1614.2	1616.0
15°	1602.7	1601.0	1602.7	1603.9	1606.2
17.5°	1587.8	1586.6	1588.4	1590.1	1593.0
20°	1570.5	1569.4	1572.3	1574.0	1577.4
22.5°	1549.3	1548.1	1551.0	1555.0	1557.3
25°	1522.8	1522.8	1526.3	1530.9	1533.8
27.5°	1494.7	1494.1	1498.1	1502.7	1505.6
30°	1462.5	1461.3	1467.1	1471.1	1472.8
32.5°	1425.1	1425.7	1430.9	1434.9	1435.5
35°	1385.4	1385.4	1390.0	1392.9	1392.9
37.5°	1340.0	1339.5	1344.1	1345.2	1343.5
40°	1288.9	1289.4	1292.3	1291.7	1284.3
42.5°	1233.7	1234.2	1236.5	1228.5	1221.0
45°	1172.7	1172.2	1169.3	1158.4	1145.7
47.5°	1107.8	1104.9	1100.3	1083.6	1074.4
50°	1035.9	1031.3	1019.8	1006.6	999.1
52.5°	960.0	952.0	940.5	930.1	923.8
55°	879.6	868.6	857.1	852.5	847.4
57.5°	789.9	783.0	773.2	770.9	767.5
60°	701.9	694.4	688.7	688.7	684.7
62.5°	609.9	605.3	603.0	604.2	600.2
65°	517.4	516.2	516.2	518.0	514.5
67.5°	427.7	430.0	429.4	435.2	430.6
70°	343.2	347.2	348.9	354.7	347.8
72.5°	270.2	270.8	273.1	274.8	271.3
75°	205.8	204.1	209.3	208.1	205.8
77.5°	148.9	147.7	149.5	150.6	147.7
80°	101.2	100.0	100.6	102.3	100.0
82.5°	63.8	62.7	62.7	64.4	63.8
85°	33.9	33.3	33.3	34.5	35.6
87.5°	12.1	11.5	12.1	12.1	12.1
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)