

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: P506357

Luminaire Tested: **22PD-55-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506357
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-L950
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

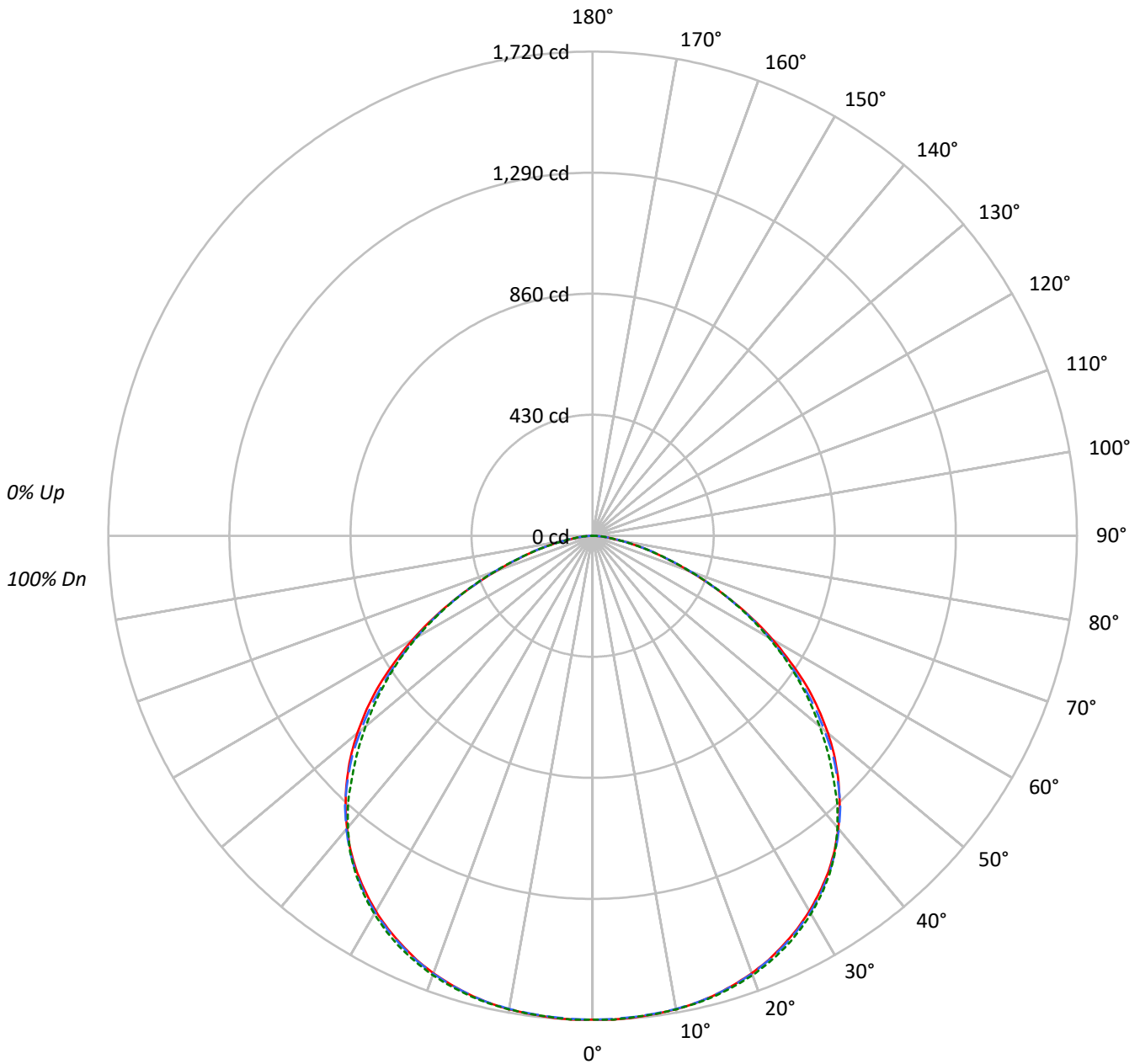
Lumens per Lamp: N/A
Luminaire Lumens: 4869.5 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4626	4626	4626
5°	4639	4634	4636
10°	4668	4663	4668
15°	4702	4702	4712
20°	4736	4741	4757
25°	4761	4772	4796
30°	4785	4800	4819
35°	4793	4808	4819
40°	4768	4780	4750
45°	4700	4686	4591
50°	4567	4496	4405
55°	4345	4235	4186
60°	3978	3903	3880
65°	3469	3461	3450
70°	2843	2891	2881
75°	2253	2290	2253
80°	1650	1641	1632
85°	1102	1084	1158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	3.4
10°-20°	477.0	9.8
20°-30°	741.5	15.2
30°-40°	914.1	18.8
40°-50°	944.1	19.4
50°-60°	807.9	16.6
60°-70°	539.2	11.1
70°-80°	236.6	4.9
80°-90°	45.7	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°	1381.9	28.4
0°-40°	2296.0	47.2
0°-60°	4048.0	83.1
0°-90°	4869.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4869.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1719	1719	1719	1719	1719	
5°	1717	1715	1716	1714	1716	164
15°	1688	1686	1688	1689	1691	477
25°	1604	1604	1607	1612	1615	740
35°	1459	1459	1464	1467	1467	912
45°	1235	1234	1231	1220	1206	951
55°	926	915	903	898	892	823
65°	545	544	544	545	542	540
75°	217	215	220	219	217	235
85°	36	35	35	36	38	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1719.2	1719.2	1719.2	1719.2	1719.2
2.5°	1720.4	1718.0	1717.4	1717.4	1720.4
5°	1717.4	1715.0	1715.6	1714.3	1716.2
7.5°	1713.1	1710.7	1711.3	1710.7	1713.1
10°	1708.3	1705.9	1706.5	1705.9	1708.3
12.5°	1699.8	1698.0	1699.2	1699.8	1701.6
15°	1687.7	1685.9	1687.7	1688.9	1691.3
17.5°	1672.0	1670.8	1672.6	1674.4	1677.4
20°	1653.8	1652.6	1655.6	1657.4	1661.1
22.5°	1631.4	1630.2	1633.2	1637.5	1639.9
25°	1603.6	1603.6	1607.2	1612.0	1615.1
27.5°	1573.9	1573.3	1577.5	1582.4	1585.4
30°	1540.0	1538.8	1544.9	1549.1	1550.9
32.5°	1500.7	1501.3	1506.7	1511.0	1511.6
35°	1458.9	1458.9	1463.7	1466.8	1466.8
37.5°	1411.1	1410.5	1415.3	1416.5	1414.7
40°	1357.2	1357.8	1360.8	1360.2	1352.3
42.5°	1299.1	1299.7	1302.1	1293.6	1285.8
45°	1234.9	1234.3	1231.3	1219.8	1206.5
47.5°	1166.5	1163.5	1158.6	1141.1	1131.4
50°	1090.8	1086.0	1073.9	1060.0	1052.1
52.5°	1010.9	1002.5	990.4	979.5	972.8
55°	926.2	914.7	902.6	897.7	892.3
57.5°	831.7	824.5	814.2	811.8	808.1
60°	739.1	731.3	725.2	725.2	721.0
62.5°	642.3	637.4	635.0	636.2	632.0
65°	544.8	543.6	543.6	545.4	541.8
67.5°	450.4	452.8	452.2	458.2	453.4
70°	361.4	365.6	367.4	373.5	366.2
72.5°	284.5	285.1	287.5	289.4	285.7
75°	216.7	214.9	220.3	219.1	216.7
77.5°	156.8	155.6	157.4	158.6	155.6
80°	106.5	105.3	105.9	107.8	105.3
82.5°	67.2	66.0	66.0	67.8	67.2
85°	35.7	35.1	35.1	36.3	37.5
87.5°	12.7	12.1	12.7	12.7	12.7
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)