

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: P506006

Luminaire Tested: **14PD-55-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506006
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-L950
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

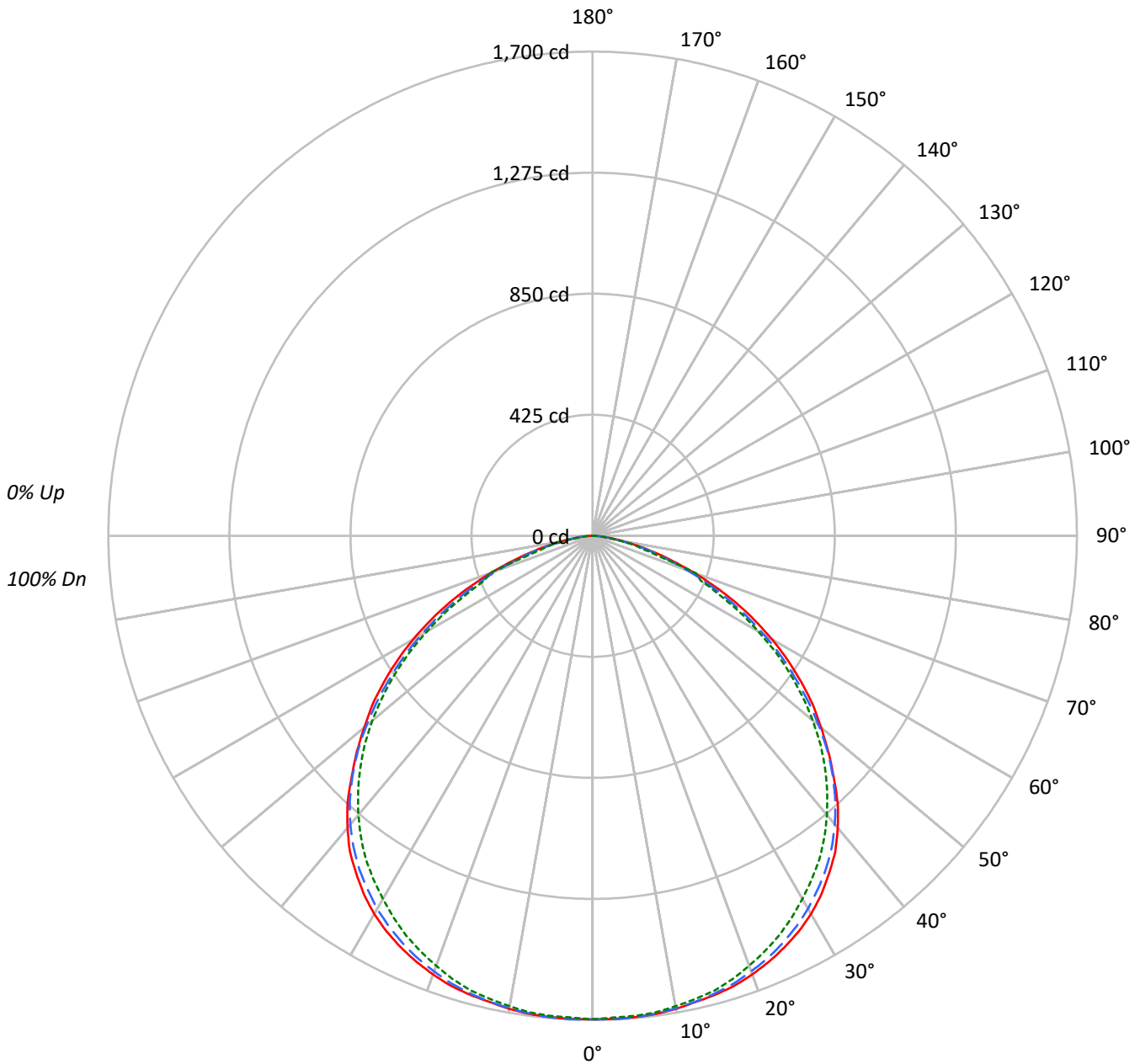
Lumens per Lamp: N/A
Luminaire Lumens: 4718.2 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	4568	4568	4568
5°	4583	4586	4571
10°	4608	4603	4583
15°	4646	4633	4605
20°	4693	4661	4600
25°	4733	4686	4598
30°	4765	4699	4574
35°	4753	4692	4557
40°	4703	4647	4493
45°	4552	4537	4392
50°	4379	4340	4223
55°	4190	4068	3976
60°	3914	3738	3612
65°	3526	3307	3128
70°	2949	2766	3037
75°	2326	2239	1938
80°	1675	1488	1517
85°	1065	892	834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	3.4
10°-20°	469.2	9.9
20°-30°	725.4	15.4
30°-40°	887.8	18.8
40°-50°	910.2	19.3
50°-60°	775.2	16.4
60°-70°	518.0	11.0
70°-80°	229.6	4.9
80°-90°	41.5	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°	1356.0	28.7
0°-40°	2243.8	47.6
0°-60°	3929.1	83.3
0°-90°	4718.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4718.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1698	1698	1698	1698	1698	
5°	1697	1693	1698	1697	1692	162
15°	1668	1662	1663	1658	1653	472
25°	1594	1588	1578	1558	1548	735
35°	1447	1443	1428	1396	1387	905
45°	1196	1200	1192	1165	1154	923
55°	893	888	867	849	847	797
65°	554	549	519	496	491	546
75°	224	226	215	216	186	242
85°	34	34	29	28	27	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1697.6	1697.6	1697.6	1697.6	1697.6
2.5°	1697.6	1694.8	1699.5	1701.4	1693.0
5°	1696.7	1693.0	1697.6	1696.7	1692.0
7.5°	1693.9	1687.4	1692.0	1690.2	1688.3
10°	1686.4	1680.8	1684.6	1681.8	1677.1
12.5°	1676.2	1672.5	1675.2	1672.5	1665.9
15°	1667.8	1662.2	1663.1	1658.5	1652.9
17.5°	1656.6	1648.2	1648.2	1638.9	1632.4
20°	1638.9	1631.4	1627.7	1614.7	1606.3
22.5°	1618.4	1612.8	1605.3	1588.5	1579.2
25°	1594.1	1588.5	1578.3	1557.8	1548.5
27.5°	1566.2	1558.7	1547.5	1523.3	1512.1
30°	1533.5	1524.2	1512.1	1485.1	1472.0
32.5°	1493.5	1486.9	1471.1	1443.1	1431.0
35°	1446.8	1443.1	1428.2	1396.5	1387.2
37.5°	1399.3	1391.8	1378.8	1345.2	1335.9
40°	1338.7	1334.0	1322.9	1290.2	1279.0
42.5°	1273.5	1270.7	1261.3	1230.6	1218.4
45°	1196.1	1199.8	1192.3	1165.3	1154.1
47.5°	1122.4	1120.6	1117.8	1093.5	1084.2
50°	1046.0	1042.3	1036.7	1017.1	1008.7
52.5°	974.2	966.7	951.8	935.0	929.5
55°	893.1	888.4	867.0	849.3	847.4
57.5°	811.1	808.3	782.2	761.6	761.6
60°	727.2	723.4	694.5	673.1	671.2
62.5°	639.5	636.7	606.9	582.7	583.6
65°	553.8	549.1	519.3	496.0	491.3
67.5°	464.3	462.4	433.5	412.1	410.2
70°	374.8	374.8	351.5	332.8	386.0
72.5°	295.5	292.7	274.1	265.7	253.6
75°	223.7	226.5	215.3	216.3	186.4
77.5°	159.4	154.8	150.1	139.8	148.2
80°	108.1	105.3	96.0	93.2	97.9
82.5°	67.1	68.1	59.7	54.1	53.1
85°	34.5	33.6	28.9	28.0	27.0
87.5°	13.1	14.0	12.1	11.2	10.3
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)