

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: P506024

Luminaire Tested: **14PD-55-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-55-PW1-L950
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

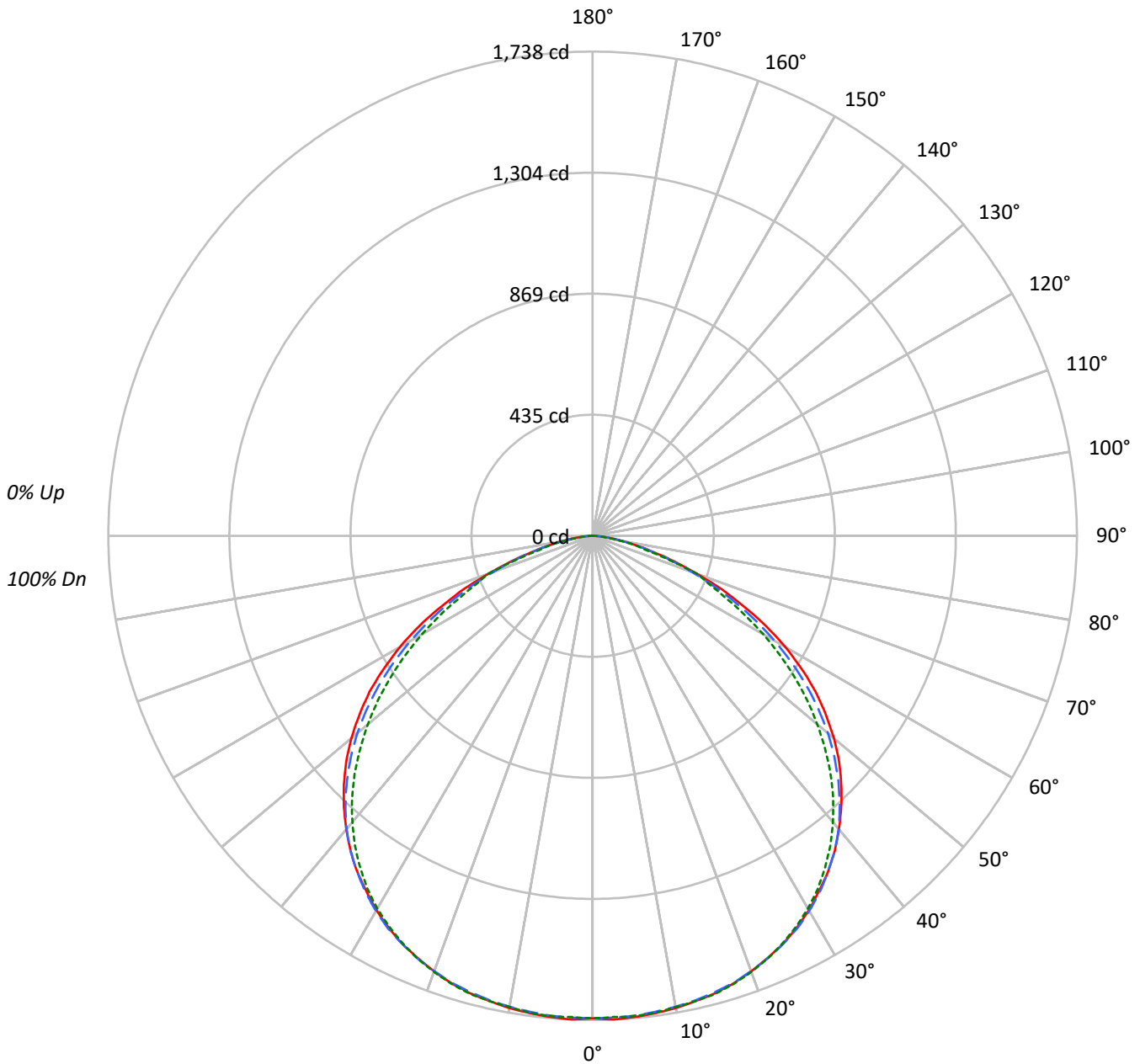
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4933.4 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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	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	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4661	4661	4661
5°	4685	4671	4677
10°	4704	4691	4693
15°	4736	4725	4741
20°	4764	4761	4770
25°	4800	4800	4792
30°	4823	4832	4801
35°	4838	4838	4777
40°	4829	4826	4712
45°	4803	4748	4595
50°	4731	4616	4407
55°	4585	4392	4153
60°	4295	4058	3805
65°	3803	3585	3348
70°	3105	2966	3128
75°	2341	2301	2067
80°	1684	1578	1578
85°	1059	997	877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	3.3
10°-20°	479.5	9.7
20°-30°	744.4	15.1
30°-40°	916.8	18.6
40°-50°	954.5	19.3
50°-60°	830.1	16.8
60°-70°	557.7	11.3
70°-80°	241.4	4.9
80°-90°	44.3	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°	1388.6	28.1
0°-40°	2305.4	46.7
0°-60°	4090.0	82.9
0°-90°	4933.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4933.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1732	1732	1732	1732	1732	
5°	1734	1723	1729	1733	1731	165
15°	1700	1688	1696	1702	1702	480
25°	1617	1609	1617	1617	1614	745
35°	1473	1469	1473	1460	1454	921
45°	1262	1258	1248	1219	1207	972
55°	977	960	936	899	885	869
65°	597	587	563	537	526	592
75°	225	227	221	226	199	248
85°	34	35	32	28	28	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1732.2	1732.2	1732.2	1732.2	1732.2
2.5°	1738.1	1727.4	1731.3	1737.1	1729.3
5°	1734.2	1723.4	1729.3	1733.2	1731.3
7.5°	1728.3	1720.5	1723.4	1727.4	1726.4
10°	1721.5	1713.6	1716.6	1720.5	1717.6
12.5°	1710.7	1701.9	1707.8	1711.7	1710.7
15°	1699.9	1688.2	1696.0	1701.9	1701.9
17.5°	1684.3	1674.5	1682.3	1687.2	1686.2
20°	1663.7	1656.8	1662.7	1666.6	1665.7
22.5°	1640.2	1635.3	1642.2	1642.2	1642.2
25°	1616.7	1608.9	1616.7	1616.7	1613.8
27.5°	1586.3	1579.5	1589.3	1586.3	1581.4
30°	1552.1	1548.2	1555.0	1550.1	1545.2
32.5°	1511.9	1510.0	1516.8	1507.0	1503.1
35°	1472.8	1468.8	1472.8	1460.0	1454.1
37.5°	1426.7	1422.8	1426.7	1410.1	1401.3
40°	1374.8	1371.9	1373.9	1352.3	1341.5
42.5°	1321.0	1318.0	1313.1	1286.7	1277.9
45°	1262.2	1258.3	1247.5	1219.1	1207.4
47.5°	1199.6	1192.7	1177.0	1146.7	1131.0
50°	1130.0	1120.2	1102.6	1069.3	1052.7
52.5°	1054.6	1042.9	1020.4	987.1	971.4
55°	977.3	959.6	936.1	898.9	885.2
57.5°	889.1	870.5	846.1	811.8	796.1
60°	798.1	779.5	754.0	722.7	707.0
62.5°	701.1	684.5	659.0	629.6	615.9
65°	597.3	586.6	563.1	536.6	525.8
67.5°	499.4	488.6	469.0	446.5	450.4
70°	394.6	393.6	377.0	361.3	397.6
72.5°	307.5	305.5	296.7	288.9	286.9
75°	225.2	227.2	221.3	226.2	198.8
77.5°	158.6	160.6	159.6	145.9	152.8
80°	108.7	108.7	101.8	96.9	101.8
82.5°	65.6	78.3	70.5	57.8	55.8
85°	34.3	35.3	32.3	28.4	28.4
87.5°	12.7	14.7	12.7	11.8	10.8
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)