

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: P506401

Luminaire Tested: **22PD-60-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PW1-L940
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

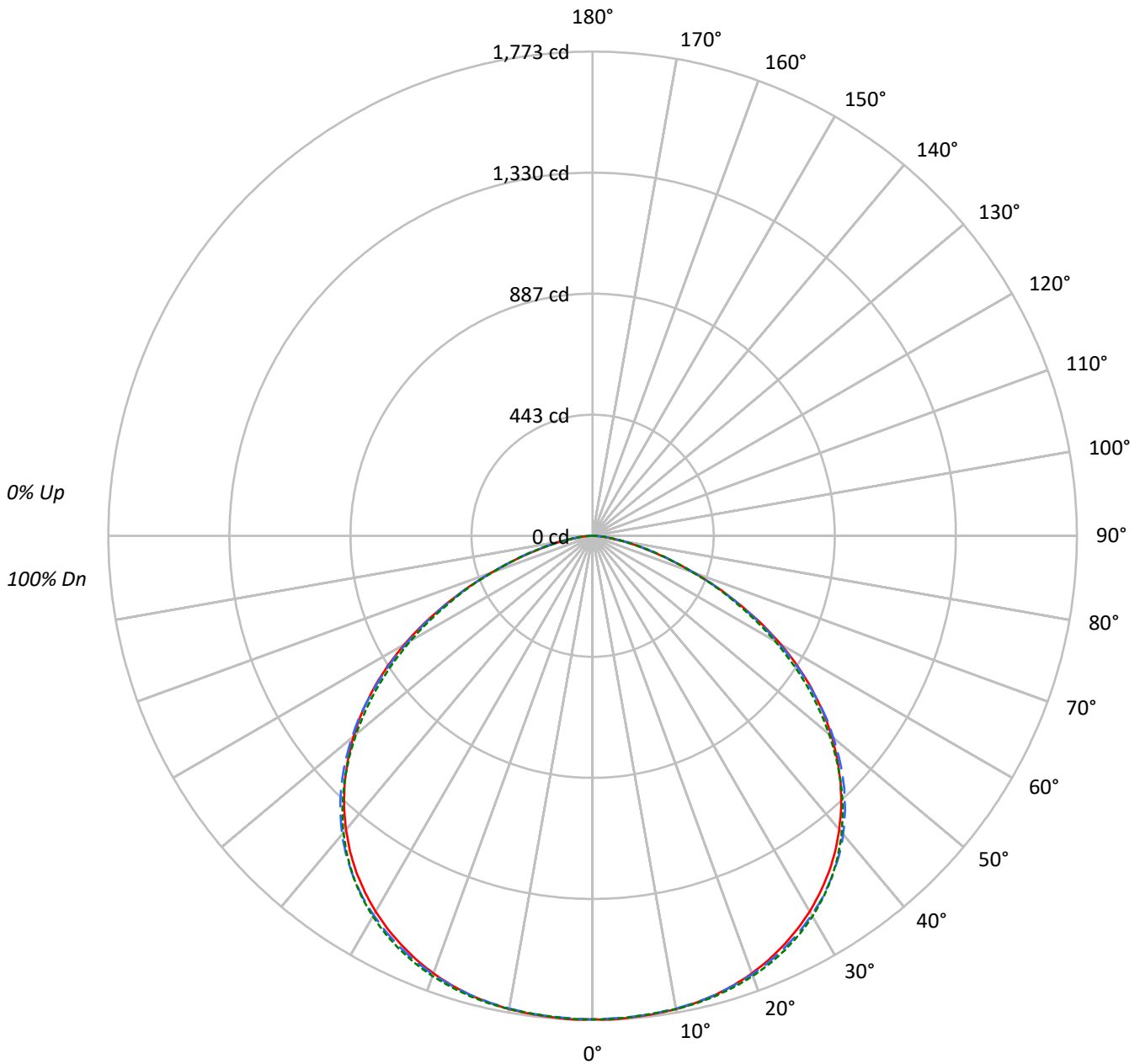
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5119.3 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	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°	4766	4766	4766
5°	4779	4772	4774
10°	4810	4803	4808
15°	4847	4846	4860
20°	4883	4894	4914
25°	4912	4941	4963
30°	4937	4984	5001
35°	4949	5013	5015
40°	4934	5014	4985
45°	4885	4955	4895
50°	4785	4820	4733
55°	4600	4579	4493
60°	4282	4235	4146
65°	3777	3740	3668
70°	3093	3108	3043
75°	2342	2421	2402
80°	1697	1765	1736
85°	1115	1152	1232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	3.3
10°-20°	491.9	9.6
20°-30°	766.8	15.0
30°-40°	950.4	18.6
40°-50°	994.5	19.4
50°-60°	866.6	16.9
60°-70°	580.6	11.3
70°-80°	251.6	4.9
80°-90°	48.4	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°	1427.1	27.9
0°-40°	2377.5	46.4
0°-60°	4238.7	82.8
0°-90°	5119.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5119.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1771	1771	1771	1771	1771	
5°	1769	1767	1767	1766	1767	169
15°	1740	1738	1739	1741	1744	492
25°	1654	1655	1664	1669	1672	763
35°	1506	1512	1526	1528	1527	942
45°	1284	1291	1302	1291	1286	988
55°	980	980	976	965	958	873
65°	593	590	587	582	576	587
75°	225	229	233	231	231	248
85°	36	39	37	38	40	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1771.0	1771.0	1771.0	1771.0	1771.0
2.5°	1772.9	1769.7	1769.1	1769.1	1771.0
5°	1769.1	1767.2	1766.6	1765.9	1767.2
7.5°	1765.3	1762.8	1763.4	1762.1	1763.4
10°	1760.2	1757.7	1757.7	1757.7	1759.6
12.5°	1751.4	1749.5	1750.1	1751.4	1753.9
15°	1740.0	1737.5	1739.4	1741.2	1744.4
17.5°	1724.2	1722.3	1725.4	1728.6	1731.1
20°	1705.2	1703.3	1709.0	1713.4	1715.9
22.5°	1681.8	1681.1	1688.7	1693.8	1695.7
25°	1654.5	1655.2	1664.0	1669.1	1671.6
27.5°	1623.5	1624.8	1636.2	1640.6	1643.1
30°	1588.7	1591.9	1603.9	1607.7	1609.6
32.5°	1549.5	1553.9	1568.5	1571.0	1571.0
35°	1506.4	1512.1	1526.0	1527.9	1526.7
37.5°	1458.3	1464.6	1480.5	1477.9	1476.0
40°	1404.5	1411.5	1427.3	1422.2	1419.1
42.5°	1346.9	1353.9	1367.8	1360.2	1355.8
45°	1283.6	1290.6	1302.0	1291.2	1286.2
47.5°	1215.3	1223.5	1229.2	1217.2	1210.8
50°	1143.1	1145.6	1151.3	1137.4	1130.5
52.5°	1064.6	1064.6	1069.1	1053.9	1045.6
55°	980.4	979.8	976.0	965.3	957.7
57.5°	891.2	887.4	884.9	873.5	864.6
60°	795.6	789.9	786.8	777.3	770.3
62.5°	695.6	692.4	688.7	681.1	673.5
65°	593.1	589.9	587.4	581.7	576.0
67.5°	491.2	489.3	489.3	485.5	484.8
70°	393.1	394.3	395.0	395.0	386.7
72.5°	304.4	305.1	308.2	305.7	305.1
75°	225.3	229.1	232.9	231.0	231.0
77.5°	162.0	167.7	167.7	166.5	164.6
80°	109.5	112.0	113.9	113.3	112.0
82.5°	69.6	71.5	69.6	70.9	71.5
85°	36.1	38.6	37.3	38.0	39.9
87.5°	12.0	13.3	13.9	13.3	13.3
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)