

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: P506402

Luminaire Tested: **22PD-60-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506402
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-L950
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

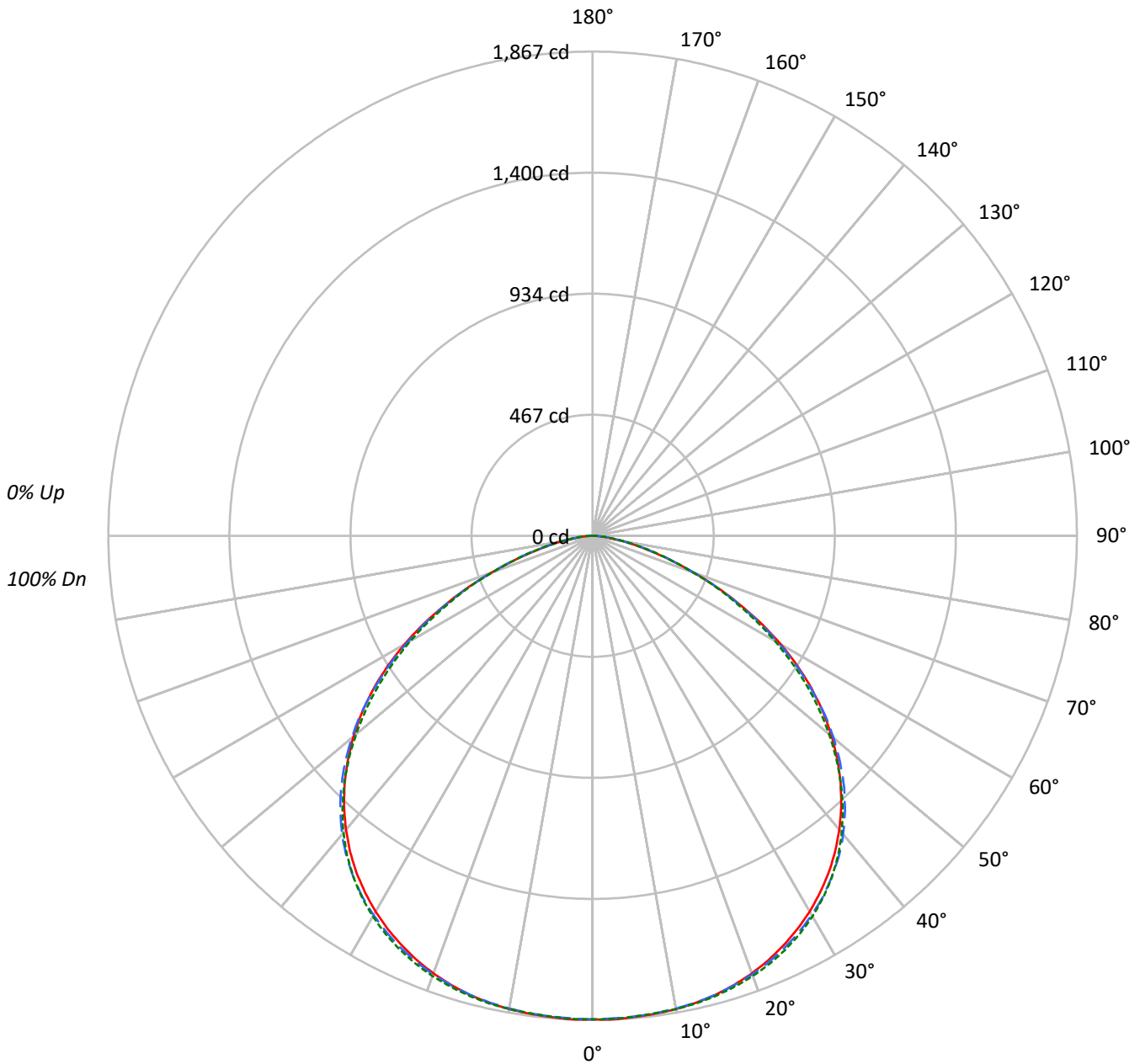
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5390.7 lumens
Efficiency: N/A
Efficacy: 102.7 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				20				
RC	80				70				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			100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			61
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52			52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45			45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39			39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35			35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31			31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5018	5018	5018
5°	5032	5025	5027
10°	5065	5058	5063
15°	5104	5102	5117
20°	5142	5153	5174
25°	5173	5203	5226
30°	5198	5248	5267
35°	5211	5279	5281
40°	5195	5280	5249
45°	5144	5218	5154
50°	5039	5076	4984
55°	4844	4822	4731
60°	4509	4459	4365
65°	3976	3938	3862
70°	3257	3272	3204
75°	2467	2550	2530
80°	1787	1860	1829
85°	1173	1213	1297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.3	3.3
10°-20°	517.9	9.6
20°-30°	807.5	15.0
30°-40°	1000.8	18.6
40°-50°	1047.2	19.4
50°-60°	912.6	16.9
60°-70°	611.3	11.3
70°-80°	265.0	4.9
80°-90°	51.0	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°	1502.7	27.9
0°-40°	2503.5	46.4
0°-60°	4463.4	82.8
0°-90°	5390.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5390.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1865	1865	1865	1865	1865	
5°	1863	1861	1860	1860	1861	178
15°	1832	1830	1832	1834	1837	518
25°	1742	1743	1752	1758	1760	803
35°	1586	1592	1607	1609	1608	992
45°	1352	1359	1371	1360	1354	1041
55°	1032	1032	1028	1016	1008	919
65°	624	621	618	612	606	618
75°	237	241	245	243	243	261
85°	38	41	39	40	42	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1864.9	1864.9	1864.9	1864.9	1864.9
2.5°	1866.9	1863.5	1862.9	1862.9	1864.9
5°	1862.9	1860.9	1860.2	1859.5	1860.9
7.5°	1858.9	1856.2	1856.9	1855.5	1856.9
10°	1853.5	1850.9	1850.9	1850.9	1852.9
12.5°	1844.2	1842.2	1842.9	1844.2	1846.9
15°	1832.2	1829.5	1831.5	1833.5	1836.9
17.5°	1815.5	1813.5	1816.9	1820.2	1822.9
20°	1795.6	1793.6	1799.6	1804.2	1806.9
22.5°	1770.9	1770.2	1778.2	1783.6	1785.6
25°	1742.2	1742.9	1752.2	1757.6	1760.2
27.5°	1709.6	1710.9	1722.9	1727.6	1730.2
30°	1672.9	1676.2	1688.9	1692.9	1694.9
32.5°	1631.6	1636.3	1651.6	1654.3	1654.3
35°	1586.3	1592.3	1606.9	1608.9	1607.6
37.5°	1535.6	1542.3	1558.9	1556.3	1554.3
40°	1479.0	1486.3	1503.0	1497.6	1494.3
42.5°	1418.3	1425.6	1440.3	1432.3	1427.6
45°	1351.7	1359.0	1371.0	1359.7	1354.3
47.5°	1279.7	1288.3	1294.3	1281.7	1275.0
50°	1203.7	1206.4	1212.4	1197.7	1190.4
52.5°	1121.1	1121.1	1125.7	1109.7	1101.1
55°	1032.4	1031.7	1027.7	1016.4	1008.4
57.5°	938.4	934.4	931.8	919.8	910.4
60°	837.8	831.8	828.5	818.5	811.1
62.5°	732.5	729.2	725.2	717.2	709.2
65°	624.5	621.2	618.5	612.5	606.5
67.5°	517.2	515.2	515.2	511.2	510.5
70°	413.9	415.2	415.9	415.9	407.2
72.5°	320.6	321.3	324.6	321.9	321.3
75°	237.3	241.3	245.3	243.3	243.3
77.5°	170.6	176.6	176.6	175.3	173.3
80°	115.3	118.0	120.0	119.3	118.0
82.5°	73.3	75.3	73.3	74.6	75.3
85°	38.0	40.7	39.3	40.0	42.0
87.5°	12.7	14.0	14.7	14.0	14.0
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)