

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: P506384

Luminaire Tested: **22PD-60-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506384
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-60-PL1-L950
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

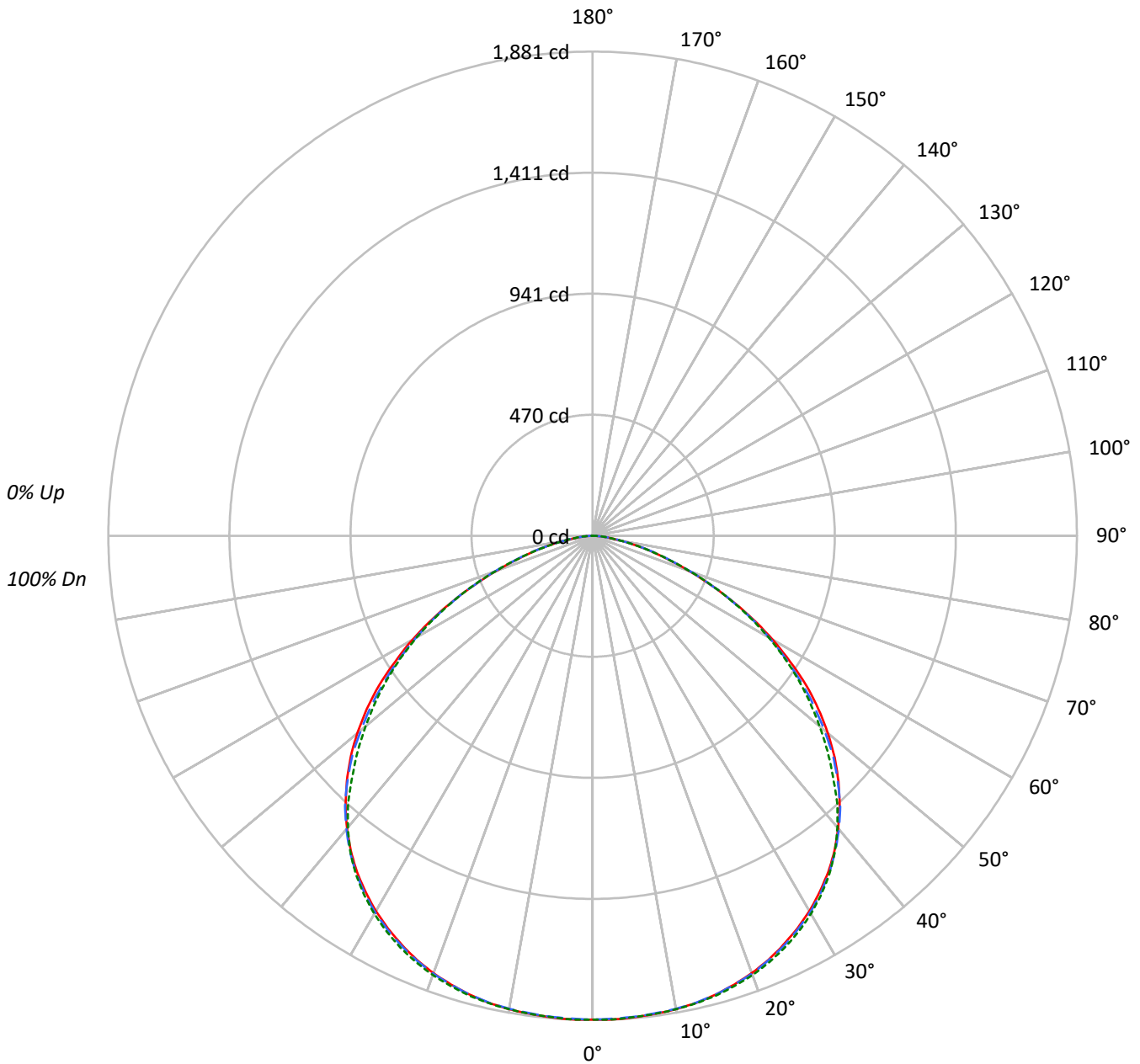
Lumens per Lamp: N/A
Luminaire Lumens: 5324.1 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72				72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61				61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52				52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40				40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35				35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31				31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28				28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5058	5058	5058
5°	5072	5067	5069
10°	5104	5098	5104
15°	5141	5141	5152
20°	5178	5184	5201
25°	5206	5217	5243
30°	5232	5248	5269
35°	5240	5257	5268
40°	5213	5227	5194
45°	5138	5123	5020
50°	4993	4915	4816
55°	4751	4630	4577
60°	4349	4267	4243
65°	3793	3785	3772
70°	3109	3161	3150
75°	2463	2505	2463
80°	1805	1795	1785
85°	1204	1186	1266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	3.4
10°-20°	521.6	9.8
20°-30°	810.7	15.2
30°-40°	999.4	18.8
40°-50°	1032.3	19.4
50°-60°	883.3	16.6
60°-70°	589.5	11.1
70°-80°	258.7	4.9
80°-90°	50.0	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°	1511.0	28.4
0°-40°	2510.3	47.2
0°-60°	4425.9	83.1
0°-90°	5324.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5324.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1880	1880	1880	1880	1880	
5°	1878	1875	1876	1874	1876	179
15°	1845	1843	1845	1847	1849	521
25°	1753	1753	1757	1762	1766	809
35°	1595	1595	1600	1604	1604	997
45°	1350	1350	1346	1334	1319	1039
55°	1013	1000	987	982	976	900
65°	596	594	594	596	592	591
75°	237	235	241	240	237	257
85°	39	38	38	40	41	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1879.7	1879.7	1879.7	1879.7	1879.7
2.5°	1881.0	1878.4	1877.7	1877.7	1881.0
5°	1877.7	1875.1	1875.7	1874.4	1876.4
7.5°	1873.1	1870.4	1871.1	1870.4	1873.1
10°	1867.8	1865.1	1865.8	1865.1	1867.8
12.5°	1858.5	1856.5	1857.8	1858.5	1860.5
15°	1845.3	1843.3	1845.3	1846.6	1849.2
17.5°	1828.1	1826.7	1828.7	1830.7	1834.0
20°	1808.2	1806.9	1810.2	1812.2	1816.1
22.5°	1783.7	1782.4	1785.7	1790.3	1793.0
25°	1753.3	1753.3	1757.2	1762.5	1765.8
27.5°	1720.8	1720.2	1724.8	1730.1	1733.4
30°	1683.8	1682.5	1689.1	1693.7	1695.7
32.5°	1640.8	1641.4	1647.4	1652.0	1652.7
35°	1595.1	1595.1	1600.4	1603.7	1603.7
37.5°	1542.8	1542.1	1547.4	1548.8	1546.8
40°	1483.9	1484.6	1487.9	1487.2	1478.6
42.5°	1420.4	1421.0	1423.7	1414.4	1405.8
45°	1350.2	1349.5	1346.2	1333.7	1319.1
47.5°	1275.4	1272.1	1266.8	1247.6	1237.0
50°	1192.7	1187.4	1174.1	1158.9	1150.3
52.5°	1105.3	1096.0	1082.8	1070.9	1063.6
55°	1012.6	1000.1	986.8	981.5	975.6
57.5°	909.4	901.5	890.2	887.6	883.6
60°	808.1	799.5	792.9	792.9	788.3
62.5°	702.2	696.9	694.3	695.6	691.0
65°	595.7	594.4	594.4	596.3	592.4
67.5°	492.4	495.1	494.4	501.0	495.7
70°	395.1	399.8	401.7	408.4	400.4
72.5°	311.1	311.7	314.4	316.4	312.4
75°	236.9	235.0	240.9	239.6	236.9
77.5°	171.4	170.1	172.1	173.4	170.1
80°	116.5	115.2	115.8	117.8	115.2
82.5°	73.5	72.1	72.1	74.1	73.5
85°	39.0	38.4	38.4	39.7	41.0
87.5°	13.9	13.2	13.9	13.9	13.9
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)