

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: P506677

Luminaire Tested: **24PD-50-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-50-PL1-L927
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

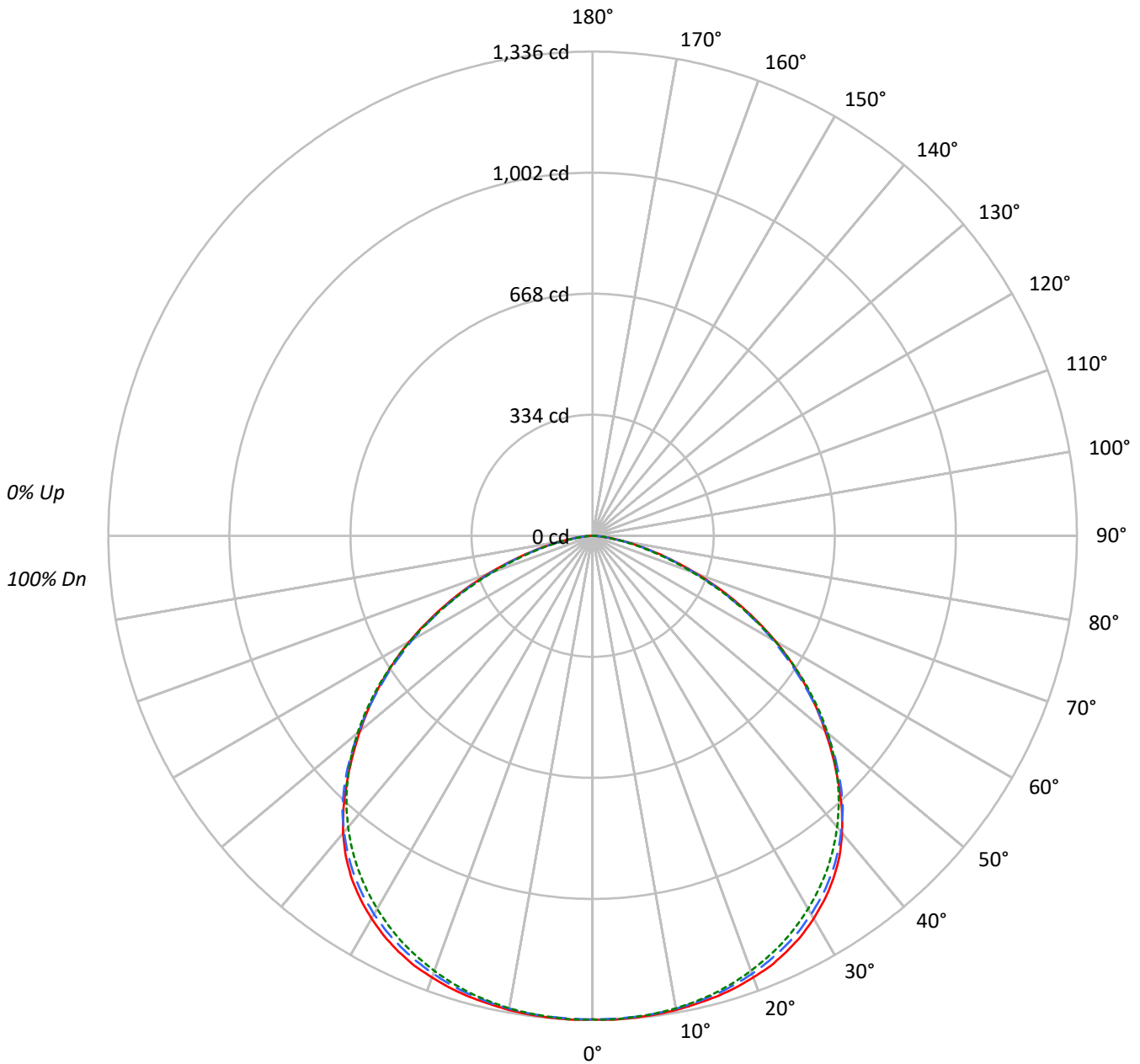
Lumens per Lamp: N/A
Luminaire Lumens: 3828.7 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.1
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	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	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	48	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	33	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	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°	1796	1796	1796
5°	1803	1800	1800
10°	1815	1810	1808
15°	1834	1825	1819
20°	1857	1842	1829
25°	1880	1859	1840
30°	1895	1873	1847
35°	1901	1882	1851
40°	1881	1874	1844
45°	1823	1840	1820
50°	1753	1766	1772
55°	1677	1664	1689
60°	1569	1543	1563
65°	1411	1383	1382
70°	1202	1175	1147
75°	946	925	887
80°	676	657	620
85°	400	395	367



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	3.3
10°-20°	370.5	9.7
20°-30°	577.5	15.1
30°-40°	714.6	18.7
40°-50°	740.8	19.3
50°-60°	637.8	16.7
60°-70°	432.7	11.3
70°-80°	193.1	5.0
80°-90°	34.7	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°	1074.9	28.1
0°-40°	1789.5	46.7
0°-60°	3168.1	82.7
0°-90°	3828.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3828.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1335	1335	1335	1335	1335	
5°	1335	1333	1332	1332	1333	127
15°	1317	1313	1310	1307	1306	372
25°	1266	1262	1252	1243	1239	584
35°	1157	1154	1146	1133	1127	722
45°	958	963	967	963	956	739
55°	715	715	709	717	720	638
65°	443	445	434	430	434	439
75°	182	184	178	174	171	198
85°	26	26	26	26	24	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1334.7	1334.7	1334.7	1334.7	1334.7
2.5°	1336.5	1333.6	1333.9	1334.3	1335.8
5°	1334.7	1332.8	1332.5	1332.5	1332.8
7.5°	1332.5	1330.3	1329.9	1329.5	1329.5
10°	1328.5	1326.3	1324.8	1324.1	1323.7
12.5°	1323.0	1320.4	1318.6	1317.1	1316.0
15°	1316.8	1313.1	1310.2	1307.3	1306.2
17.5°	1308.0	1304.7	1299.6	1294.8	1293.0
20°	1297.0	1293.7	1286.4	1279.8	1277.3
22.5°	1284.2	1279.5	1270.3	1263.0	1259.4
25°	1266.3	1261.6	1252.1	1242.9	1239.3
27.5°	1245.5	1241.1	1230.9	1219.9	1215.5
30°	1219.5	1216.6	1205.7	1193.6	1188.8
32.5°	1190.7	1187.7	1178.2	1164.7	1159.2
35°	1157.4	1154.1	1145.7	1133.3	1126.7
37.5°	1117.9	1116.8	1108.8	1096.0	1089.8
40°	1070.8	1073.0	1066.8	1055.8	1049.6
42.5°	1017.1	1021.8	1021.8	1011.6	1005.4
45°	958.2	962.6	967.0	963.4	956.4
47.5°	897.9	902.7	907.8	909.3	903.4
50°	837.3	840.2	843.5	850.1	846.4
52.5°	777.0	778.1	777.0	785.7	785.0
55°	714.8	715.2	709.4	717.4	720.0
57.5°	650.2	651.3	641.7	646.1	651.6
60°	582.9	584.0	573.4	574.1	580.7
62.5°	513.5	514.9	504.3	501.8	507.6
65°	443.3	445.1	434.5	429.8	434.2
67.5°	373.5	375.7	365.8	360.0	361.1
70°	305.5	307.4	298.6	293.1	291.6
72.5°	240.8	242.7	235.7	230.2	227.7
75°	182.0	183.5	178.0	174.0	170.7
77.5°	130.8	131.9	127.5	124.6	121.3
80°	87.3	87.7	84.8	83.0	80.0
82.5°	52.3	52.6	50.8	50.1	47.9
85°	25.9	26.3	25.6	25.6	23.8
87.5°	9.1	8.8	9.1	9.1	8.0
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)