

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: P506686

Luminaire Tested: **24PD-50-PR1-L927**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-50-PR1-L927
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

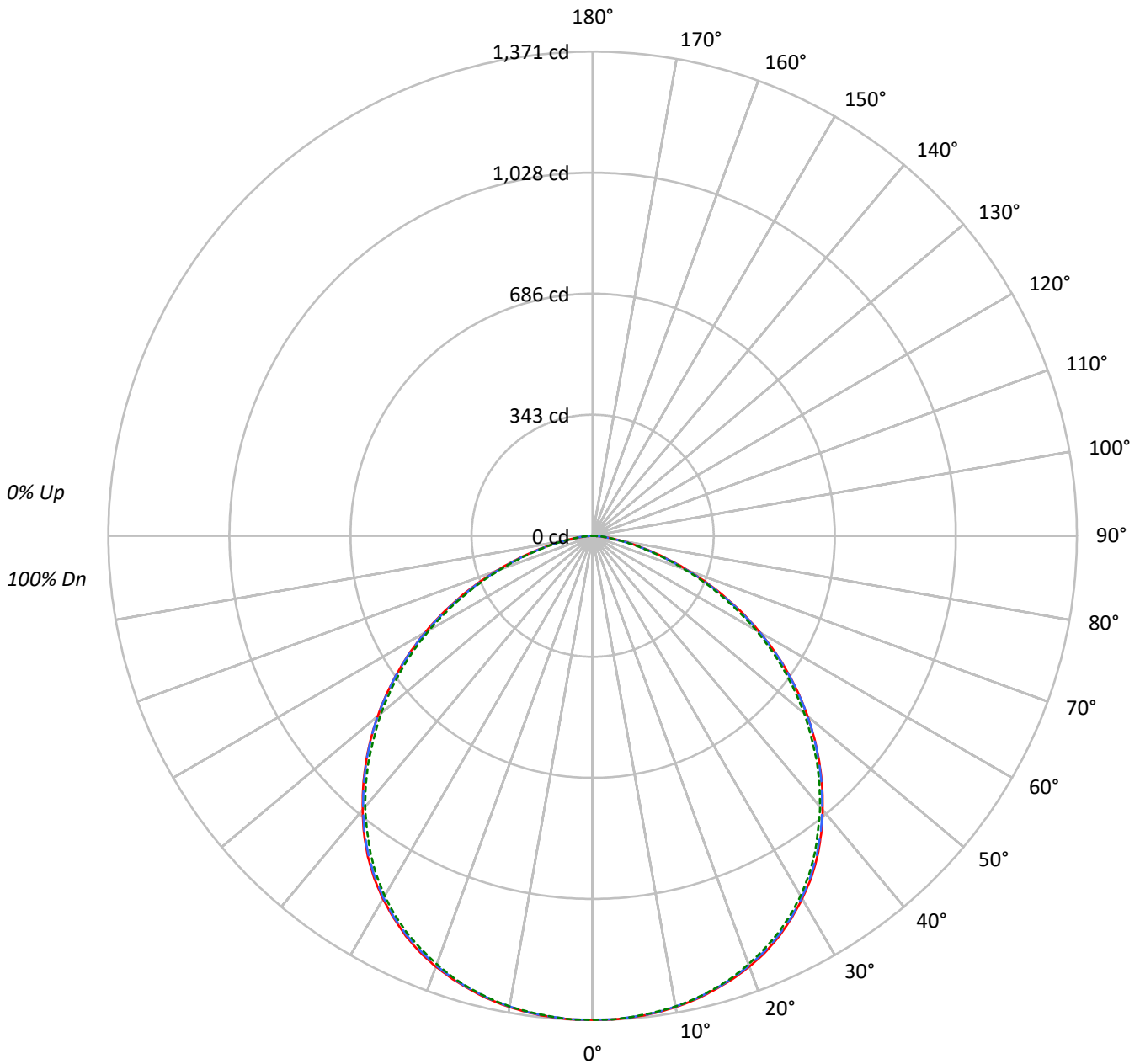
Lumens per Lamp: N/A
Luminaire Lumens: 3690.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				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	98	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	78	84	79	76	81	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40				40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28				28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1844	1844	1844
5°	1847	1846	1845
10°	1851	1849	1849
15°	1855	1852	1851
20°	1859	1854	1849
25°	1857	1851	1844
30°	1844	1839	1829
35°	1822	1816	1801
40°	1779	1775	1760
45°	1727	1724	1705
50°	1663	1662	1637
55°	1581	1578	1548
60°	1474	1468	1435
65°	1328	1312	1281
70°	1133	1117	1089
75°	896	876	856
80°	636	620	600
85°	383	372	361



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	3.5
10°-20°	375.6	10.2
20°-30°	574.2	15.6
30°-40°	689.5	18.7
40°-50°	696.8	18.9
50°-60°	598.7	16.2
60°-70°	408.4	11.1
70°-80°	183.6	5.0
80°-90°	33.0	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°	1079.9	29.3
0°-40°	1769.4	48.0
0°-60°	3064.9	83.1
0°-90°	3690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1371	1371	1371	1371	1371	
5°	1368	1367	1367	1366	1366	130
15°	1332	1331	1330	1329	1328	376
25°	1251	1250	1247	1243	1242	576
35°	1109	1109	1106	1099	1097	692
45°	908	910	906	900	896	699
55°	674	676	673	667	660	601
65°	417	419	412	409	402	413
75°	172	174	168	167	165	187
85°	25	25	24	24	23	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1370.6	1370.6	1370.6	1370.6	1370.6
2.5°	1371.0	1370.6	1370.3	1369.6	1370.6
5°	1367.8	1367.4	1367.1	1366.4	1366.4
7.5°	1362.8	1362.1	1362.1	1361.1	1360.7
10°	1355.1	1354.7	1353.6	1353.6	1353.3
12.5°	1345.1	1344.4	1343.4	1343.0	1342.3
15°	1331.7	1331.3	1329.9	1328.9	1328.5
17.5°	1316.5	1315.4	1314.3	1311.9	1311.9
20°	1298.1	1297.4	1294.9	1292.4	1291.0
22.5°	1276.8	1275.4	1272.6	1270.1	1267.3
25°	1250.6	1250.3	1247.1	1242.8	1241.8
27.5°	1220.2	1220.9	1217.7	1213.5	1211.3
30°	1186.9	1188.3	1183.7	1178.4	1177.4
32.5°	1150.5	1150.8	1146.9	1141.2	1139.1
35°	1109.0	1109.0	1105.5	1098.8	1096.6
37.5°	1063.0	1062.7	1060.5	1052.8	1048.9
40°	1013.1	1014.9	1010.6	1003.5	1001.8
42.5°	961.4	963.5	959.7	953.6	949.7
45°	907.6	910.1	906.2	899.8	895.9
47.5°	852.0	853.8	851.0	842.8	837.5
50°	794.3	797.9	794.0	785.5	782.0
52.5°	734.9	738.8	734.2	727.8	721.1
55°	674.0	676.5	672.6	666.6	659.8
57.5°	611.3	616.3	609.9	602.8	597.2
60°	547.6	551.9	545.5	539.1	533.1
62.5°	482.8	485.7	478.6	474.7	467.6
65°	417.0	419.1	412.0	409.2	402.5
67.5°	351.9	353.6	346.9	343.0	339.1
70°	288.1	289.6	283.9	280.4	276.8
72.5°	228.0	228.3	223.0	221.9	217.7
75°	172.4	173.8	168.5	167.4	164.6
77.5°	123.9	124.2	120.7	120.0	117.5
80°	82.1	82.5	80.0	79.6	77.5
82.5°	49.6	49.9	47.8	47.8	46.4
85°	24.8	25.1	24.1	24.1	23.4
87.5°	8.5	8.8	8.5	8.5	8.1
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)