

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: P506690

Luminaire Tested: **24PD-50-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506690
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-L950
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

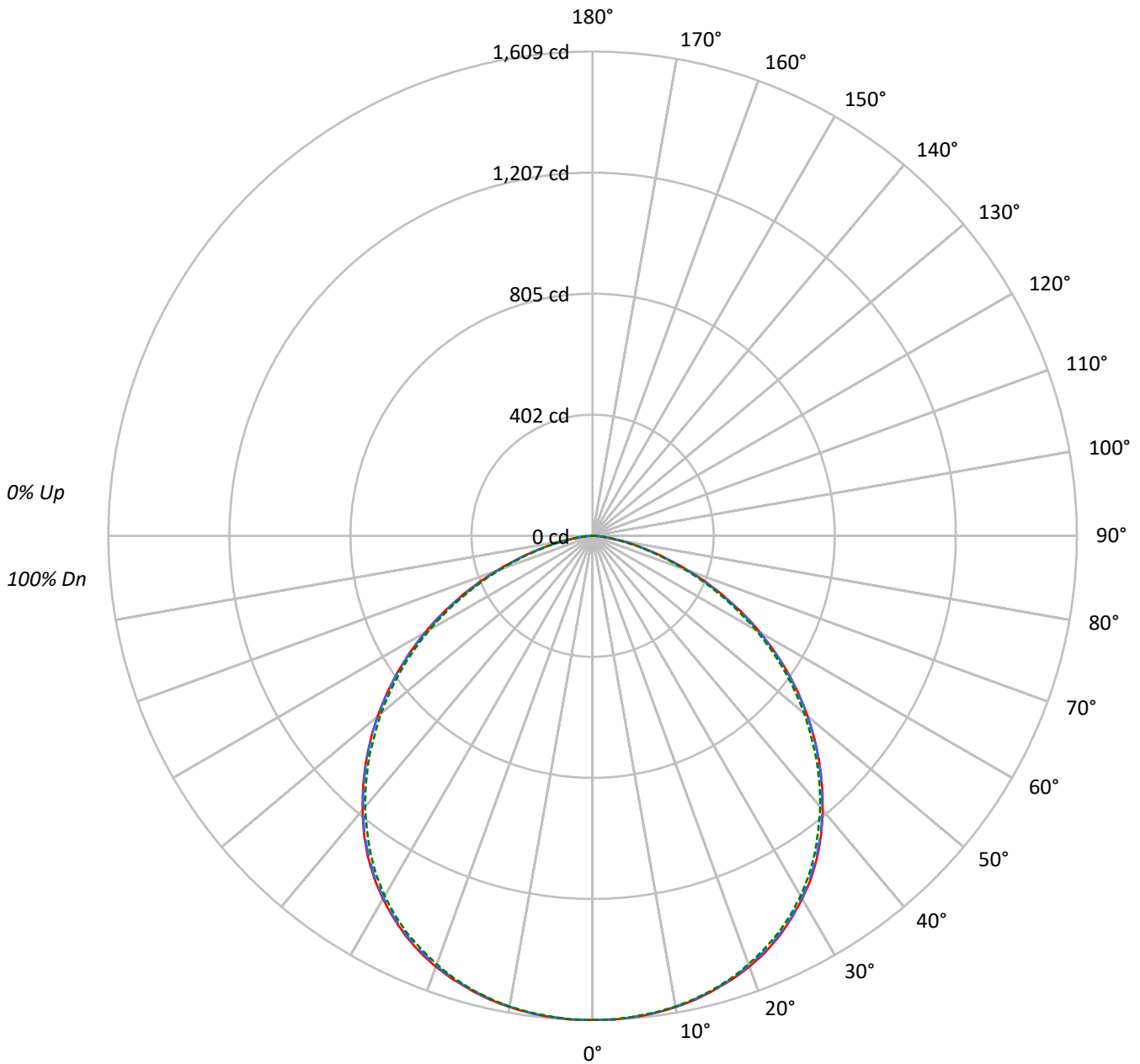
Lumens per Lamp: N/A
Luminaire Lumens: 4331.0 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				
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			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2164	2164	2164
5°	2168	2167	2166
10°	2173	2171	2170
15°	2177	2174	2172
20°	2182	2176	2170
25°	2179	2173	2164
30°	2164	2159	2147
35°	2138	2131	2114
40°	2089	2083	2065
45°	2027	2024	2001
50°	1951	1951	1921
55°	1856	1852	1817
60°	1729	1723	1684
65°	1558	1540	1504
70°	1330	1311	1278
75°	1052	1028	1004
80°	747	728	705
85°	449	437	423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	3.5
10°-20°	440.8	10.2
20°-30°	673.9	15.6
30°-40°	809.3	18.7
40°-50°	817.9	18.9
50°-60°	702.7	16.2
60°-70°	479.4	11.1
70°-80°	215.5	5.0
80°-90°	38.8	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°	1267.4	29.3
0°-40°	2076.7	48.0
0°-60°	3597.3	83.1
0°-90°	4331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4331.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1609	1609	1609	1609	1609	
5°	1605	1605	1605	1604	1604	153
15°	1563	1563	1561	1560	1559	442
25°	1468	1468	1464	1459	1458	676
35°	1302	1302	1298	1290	1287	813
45°	1065	1068	1064	1056	1052	821
55°	791	794	789	782	774	706
65°	489	492	484	480	472	484
75°	202	204	198	196	193	219
85°	29	30	28	28	27	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1608.7	1608.7	1608.7	1608.7	1608.7
2.5°	1609.1	1608.7	1608.3	1607.5	1608.7
5°	1605.4	1605.0	1604.6	1603.7	1603.7
7.5°	1599.6	1598.8	1598.8	1597.5	1597.1
10°	1590.4	1590.0	1588.8	1588.8	1588.4
12.5°	1578.8	1578.0	1576.7	1576.3	1575.5
15°	1563.0	1562.6	1560.9	1559.7	1559.3
17.5°	1545.2	1543.9	1542.7	1539.8	1539.8
20°	1523.6	1522.7	1519.8	1516.9	1515.2
22.5°	1498.6	1497.0	1493.6	1490.7	1487.4
25°	1467.9	1467.5	1463.7	1458.7	1457.5
27.5°	1432.2	1433.0	1429.2	1424.3	1421.8
30°	1393.1	1394.8	1389.4	1383.1	1381.9
32.5°	1350.3	1350.7	1346.1	1339.5	1337.0
35°	1301.7	1301.7	1297.5	1289.6	1287.1
37.5°	1247.7	1247.3	1244.8	1235.6	1231.1
40°	1189.1	1191.2	1186.2	1177.9	1175.8
42.5°	1128.4	1130.9	1126.4	1119.3	1114.7
45°	1065.3	1068.2	1063.6	1056.1	1051.6
47.5°	1000.1	1002.1	998.8	989.3	983.0
50°	932.3	936.5	931.9	921.9	917.8
52.5°	862.5	867.1	861.7	854.2	846.3
55°	791.1	794.0	789.4	782.3	774.4
57.5°	717.5	723.3	715.9	707.6	700.9
60°	642.7	647.7	640.3	632.8	625.7
62.5°	566.7	570.0	561.7	557.2	548.8
65°	489.4	491.9	483.6	480.3	472.4
67.5°	413.0	415.1	407.2	402.6	398.0
70°	338.2	339.9	333.2	329.1	324.9
72.5°	267.6	268.0	261.8	260.5	255.5
75°	202.3	204.0	197.8	196.5	193.2
77.5°	145.4	145.8	141.7	140.8	137.9
80°	96.4	96.8	93.9	93.5	91.0
82.5°	58.2	58.6	56.1	56.1	54.4
85°	29.1	29.5	28.3	28.3	27.4
87.5°	10.0	10.4	10.0	10.0	9.6
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)