

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: P506688

Luminaire Tested: **24PD-50-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506688
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-L935
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 3500K LEDS
Light Source: -
Ballast/Driver: -

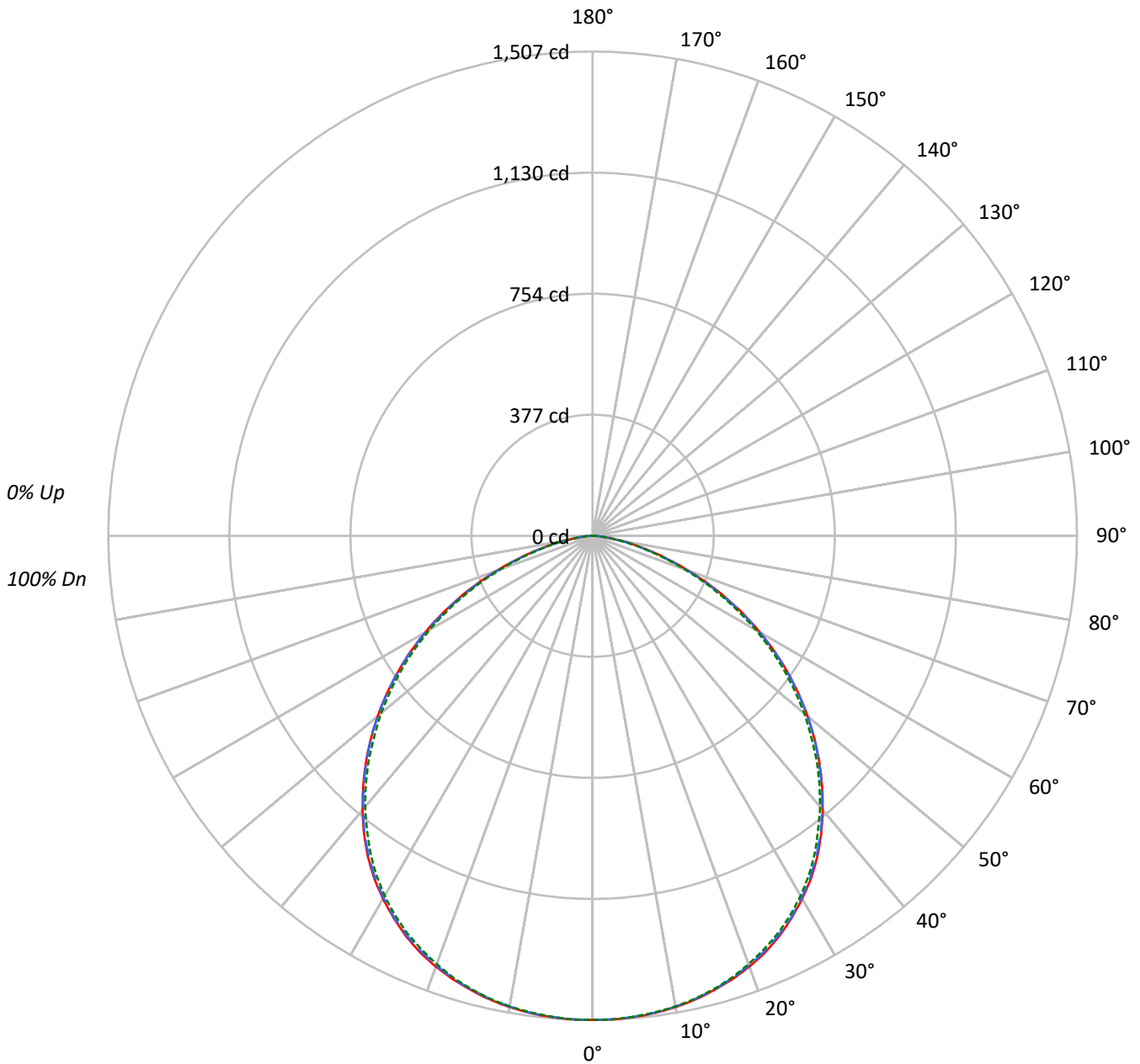
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4056.0 lumens
Efficiency: N/A
Efficacy: 109.3 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									
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	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°	2027	2027	2027
5°	2031	2030	2029
10°	2035	2033	2032
15°	2039	2036	2034
20°	2043	2038	2032
25°	2041	2035	2026
30°	2027	2021	2011
35°	2002	1996	1980
40°	1956	1951	1934
45°	1898	1895	1874
50°	1828	1827	1799
55°	1738	1734	1701
60°	1620	1614	1577
65°	1459	1442	1408
70°	1246	1228	1197
75°	985	963	940
80°	700	681	660
85°	420	409	397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	3.5
10°-20°	412.8	10.2
20°-30°	631.1	15.6
30°-40°	757.9	18.7
40°-50°	765.9	18.9
50°-60°	658.1	16.2
60°-70°	448.9	11.1
70°-80°	201.8	5.0
80°-90°	36.3	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°	1187.0	29.3
0°-40°	1944.9	48.0
0°-60°	3368.9	83.1
0°-90°	4056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1507	1507	1507	1507	1507	
5°	1504	1503	1503	1502	1502	143
15°	1464	1463	1462	1461	1460	413
25°	1375	1374	1371	1366	1365	633
35°	1219	1219	1215	1208	1205	761
45°	998	1000	996	989	985	769
55°	741	744	739	733	725	661
65°	458	461	453	450	442	454
75°	190	191	185	184	181	205
85°	27	28	26	26	26	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1506.6	1506.6	1506.6	1506.6	1506.6
2.5°	1507.0	1506.6	1506.2	1505.4	1506.6
5°	1503.5	1503.1	1502.7	1501.9	1501.9
7.5°	1498.0	1497.2	1497.2	1496.1	1495.7
10°	1489.5	1489.1	1487.9	1487.9	1487.5
12.5°	1478.6	1477.8	1476.6	1476.2	1475.5
15°	1463.8	1463.4	1461.8	1460.7	1460.3
17.5°	1447.0	1445.9	1444.7	1442.0	1442.0
20°	1426.8	1426.0	1423.3	1420.6	1419.0
22.5°	1403.5	1401.9	1398.8	1396.1	1393.0
25°	1374.7	1374.3	1370.8	1366.1	1364.9
27.5°	1341.2	1342.0	1338.5	1333.8	1331.5
30°	1304.6	1306.2	1301.1	1295.3	1294.1
32.5°	1264.6	1265.0	1260.7	1254.4	1252.1
35°	1219.0	1219.0	1215.1	1207.8	1205.4
37.5°	1168.5	1168.1	1165.7	1157.2	1152.9
40°	1113.6	1115.5	1110.9	1103.1	1101.1
42.5°	1056.8	1059.1	1054.8	1048.2	1043.9
45°	997.6	1000.4	996.1	989.1	984.8
47.5°	936.6	938.5	935.4	926.4	920.6
50°	873.1	877.0	872.7	863.4	859.5
52.5°	807.8	812.0	807.0	800.0	792.6
55°	740.8	743.6	739.3	732.7	725.3
57.5°	672.0	677.4	670.4	662.6	656.4
60°	601.9	606.6	599.6	592.6	586.0
62.5°	530.7	533.8	526.1	521.8	514.0
65°	458.4	460.7	452.9	449.8	442.4
67.5°	386.8	388.7	381.3	377.0	372.8
70°	316.7	318.3	312.1	308.2	304.3
72.5°	250.6	251.0	245.1	244.0	239.3
75°	189.5	191.0	185.2	184.0	180.9
77.5°	136.2	136.6	132.7	131.9	129.2
80°	90.3	90.7	87.9	87.5	85.2
82.5°	54.5	54.9	52.5	52.5	51.0
85°	27.2	27.6	26.5	26.5	25.7
87.5°	9.3	9.7	9.3	9.3	8.9
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)