

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: P506698

Luminaire Tested: **24PD-50-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-50-PW1-L940
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

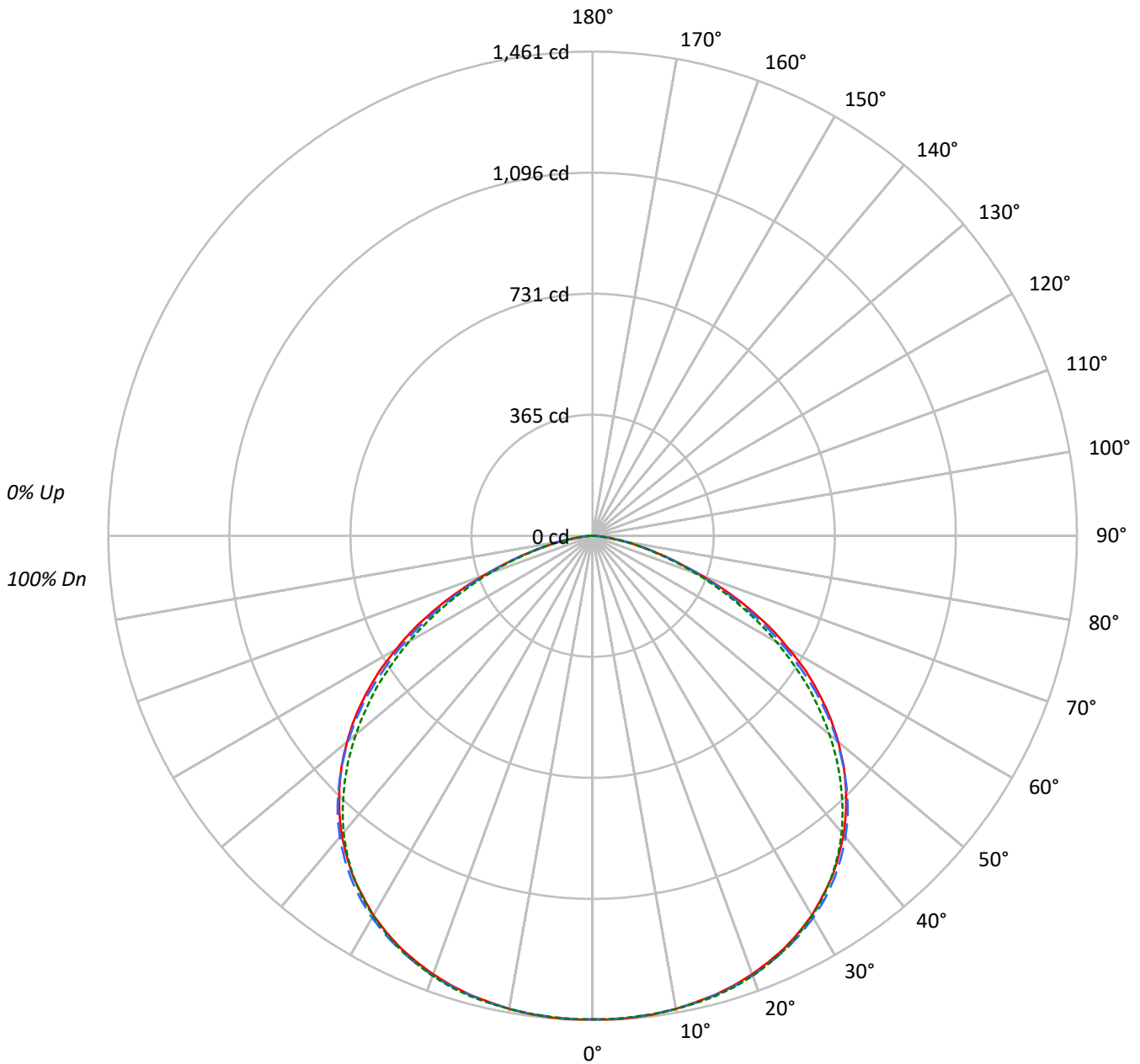
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4279.2 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
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 (Ain): 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

TEST NUMBER: P506698
CATALOG NUMBER: 24PD-50-PW1-L940

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71				71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60				60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52				52
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45				45
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1963	1963	1963
5°	1970	1968	1968
10°	1980	1980	1981
15°	1996	1998	2002
20°	2015	2022	2023
25°	2036	2045	2042
30°	2054	2068	2058
35°	2066	2082	2064
40°	2069	2084	2053
45°	2057	2064	2015
50°	2024	2015	1952
55°	1960	1928	1860
60°	1841	1794	1723
65°	1660	1599	1534
70°	1369	1348	1298
75°	1046	1057	1014
80°	726	748	732
85°	434	452	440



TEST NUMBER: P506698

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	3.2
10°-20°	405.7	9.5
20°-30°	634.4	14.8
30°-40°	789.2	18.4
40°-50°	829.3	19.4
50°-60°	728.0	17.0
60°-70°	495.7	11.6
70°-80°	218.7	5.1
80°-90°	39.4	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°	1179.0	27.6
0°-40°	1968.1	46.0
0°-60°	3525.4	82.4
0°-90°	4279.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4279.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1459	1459	1459	1459	1459	
5°	1459	1458	1457	1456	1457	139
15°	1433	1435	1434	1434	1437	405
25°	1372	1375	1378	1377	1376	632
35°	1258	1264	1268	1262	1257	786
45°	1081	1088	1085	1067	1059	832
55°	836	832	822	800	793	745
65°	521	509	502	491	482	514
75°	201	202	203	200	195	220
85°	28	29	29	29	28	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1459.2	1459.2	1459.2	1459.2	1459.2
2.5°	1460.8	1460.0	1459.2	1458.0	1459.2
5°	1458.8	1458.4	1457.2	1455.5	1457.2
7.5°	1455.5	1455.5	1454.3	1453.1	1453.9
10°	1449.4	1450.7	1449.4	1448.2	1449.8
12.5°	1441.3	1443.3	1442.9	1442.9	1444.1
15°	1433.1	1434.8	1434.4	1434.4	1437.2
17.5°	1421.7	1423.8	1424.2	1425.0	1426.6
20°	1407.5	1410.3	1412.0	1411.6	1412.8
22.5°	1390.8	1394.0	1395.3	1396.1	1395.3
25°	1371.6	1375.3	1377.7	1376.9	1375.7
27.5°	1348.4	1352.5	1355.7	1353.7	1351.3
30°	1322.3	1326.0	1330.9	1327.2	1324.8
32.5°	1290.2	1297.1	1301.6	1297.1	1293.4
35°	1258.0	1263.7	1267.7	1261.6	1256.8
37.5°	1218.9	1225.8	1229.5	1220.9	1215.6
40°	1177.7	1184.6	1186.7	1175.7	1168.8
42.5°	1130.9	1138.6	1139.4	1123.9	1116.2
45°	1080.8	1087.7	1084.8	1066.9	1058.8
47.5°	1026.6	1031.5	1025.4	1007.0	998.1
50°	967.1	970.0	962.6	941.0	932.5
52.5°	904.4	904.0	894.6	873.0	863.6
55°	835.5	832.3	822.1	800.5	792.8
57.5°	765.0	754.9	743.9	725.5	715.3
60°	684.0	676.2	666.5	648.1	640.4
62.5°	607.4	593.5	585.4	569.1	562.2
65°	521.4	508.8	502.3	491.3	481.9
67.5°	435.1	425.3	420.8	413.1	404.5
70°	347.9	345.0	342.6	335.3	330.0
72.5°	270.9	270.1	269.7	265.6	260.3
75°	201.2	202.5	203.3	199.6	195.1
77.5°	143.4	145.4	145.0	143.0	141.8
80°	93.7	95.3	96.5	94.5	94.5
82.5°	56.6	58.3	57.8	58.7	57.0
85°	28.1	29.3	29.3	28.9	28.5
87.5°	10.2	10.6	10.2	10.6	10.2
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)