

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: P505995

Luminaire Tested: **14PD-50-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-50-PW1-L935
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

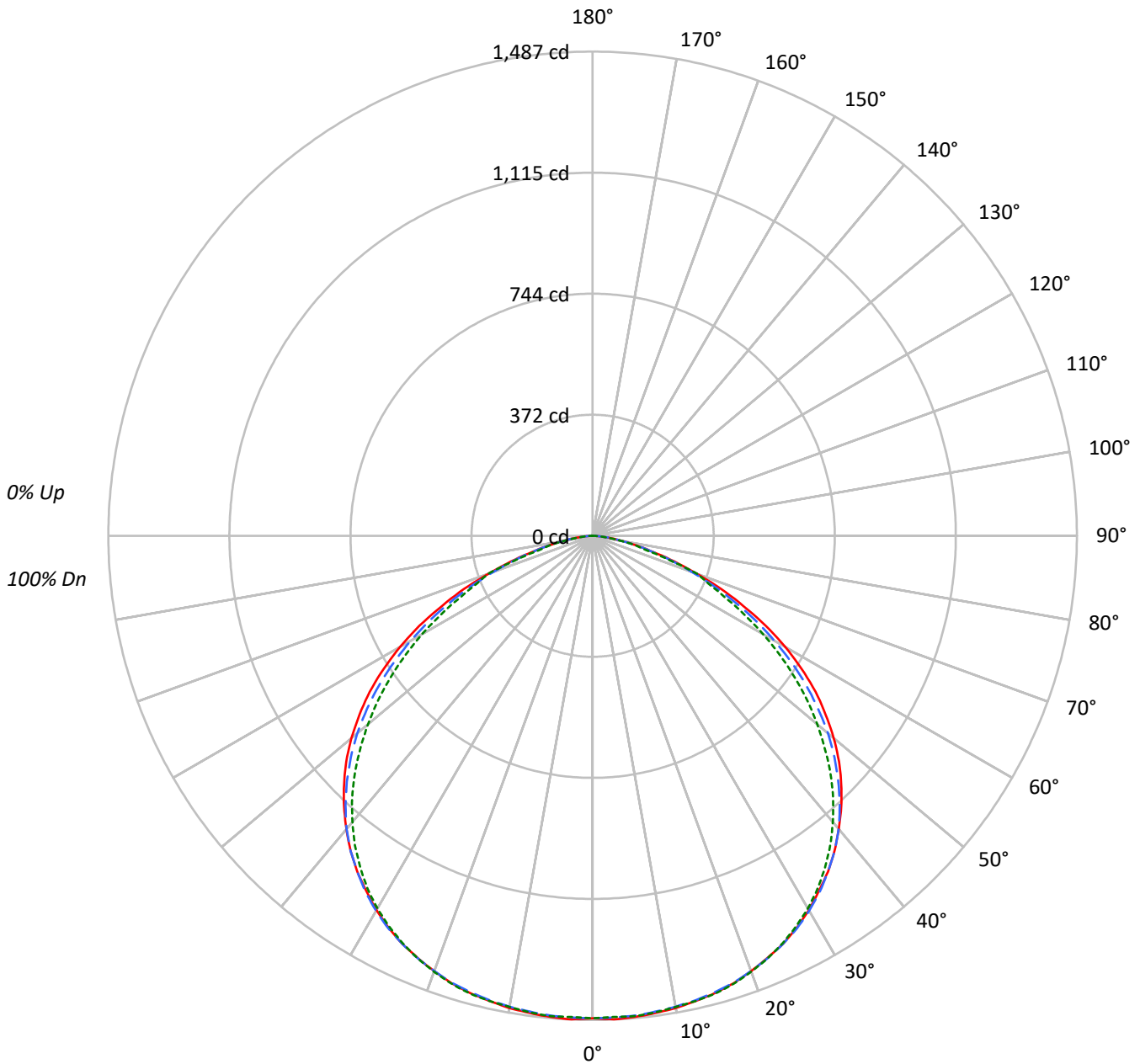
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4219.9 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.6
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	97	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	77	83	79	76	80	77	74	72				72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52				52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3987	3987	3987
5°	4007	3996	4000
10°	4024	4012	4014
15°	4051	4042	4055
20°	4075	4073	4080
25°	4106	4106	4099
30°	4125	4133	4107
35°	4138	4138	4086
40°	4131	4128	4031
45°	4109	4061	3930
50°	4047	3948	3769
55°	3922	3757	3552
60°	3674	3471	3254
65°	3253	3067	2864
70°	2656	2537	2676
75°	2002	1968	1768
80°	1441	1350	1350
85°	905	852	750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	3.3
10°-20°	410.2	9.7
20°-30°	636.7	15.1
30°-40°	784.2	18.6
40°-50°	816.5	19.3
50°-60°	710.0	16.8
60°-70°	477.0	11.3
70°-80°	206.5	4.9
80°-90°	37.9	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°	1187.8	28.1
0°-40°	1972.0	46.7
0°-60°	3498.5	82.9
0°-90°	4219.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4219.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1482	1482	1482	1482	1482	
5°	1483	1474	1479	1482	1481	141
15°	1454	1444	1451	1456	1456	411
25°	1383	1376	1383	1383	1380	637
35°	1260	1256	1260	1249	1244	787
45°	1080	1076	1067	1043	1033	832
55°	836	821	801	769	757	743
65°	511	502	482	459	450	506
75°	193	194	189	194	170	212
85°	29	30	28	24	24	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1481.7	1481.7	1481.7	1481.7	1481.7
2.5°	1486.7	1477.5	1480.9	1485.9	1479.2
5°	1483.4	1474.2	1479.2	1482.5	1480.9
7.5°	1478.4	1471.7	1474.2	1477.5	1476.7
10°	1472.5	1465.8	1468.3	1471.7	1469.1
12.5°	1463.3	1455.7	1460.8	1464.1	1463.3
15°	1454.1	1444.0	1450.7	1455.7	1455.7
17.5°	1440.7	1432.3	1439.0	1443.2	1442.3
20°	1423.1	1417.2	1422.2	1425.6	1424.8
22.5°	1403.0	1398.8	1404.7	1404.7	1404.7
25°	1382.9	1376.2	1382.9	1382.9	1380.4
27.5°	1356.9	1351.0	1359.4	1356.9	1352.7
30°	1327.6	1324.2	1330.1	1325.9	1321.7
32.5°	1293.3	1291.6	1297.4	1289.1	1285.7
35°	1259.7	1256.4	1259.7	1248.9	1243.8
37.5°	1220.4	1217.0	1220.4	1206.1	1198.6
40°	1176.0	1173.5	1175.1	1156.7	1147.5
42.5°	1129.9	1127.4	1123.2	1100.6	1093.1
45°	1079.7	1076.3	1067.1	1042.8	1032.8
47.5°	1026.1	1020.2	1006.8	980.8	967.4
50°	966.6	958.2	943.1	914.7	900.4
52.5°	902.1	892.0	872.8	844.3	830.9
55°	835.9	820.8	800.7	768.9	757.2
57.5°	760.5	744.6	723.7	694.4	681.0
60°	682.6	666.7	644.9	618.1	604.7
62.5°	599.7	585.5	563.7	538.6	526.8
65°	510.9	501.7	481.6	459.0	449.8
67.5°	427.2	418.0	401.2	381.9	385.3
70°	337.6	336.7	322.5	309.1	340.1
72.5°	263.0	261.3	253.8	247.1	245.4
75°	192.6	194.3	189.3	193.5	170.0
77.5°	135.7	137.4	136.5	124.8	130.7
80°	93.0	93.0	87.1	82.9	87.1
82.5°	56.1	67.0	60.3	49.4	47.7
85°	29.3	30.2	27.6	24.3	24.3
87.5°	10.9	12.6	10.9	10.1	9.2
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)