

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: P505996

Luminaire Tested: **14PD-50-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505996
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-L940
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

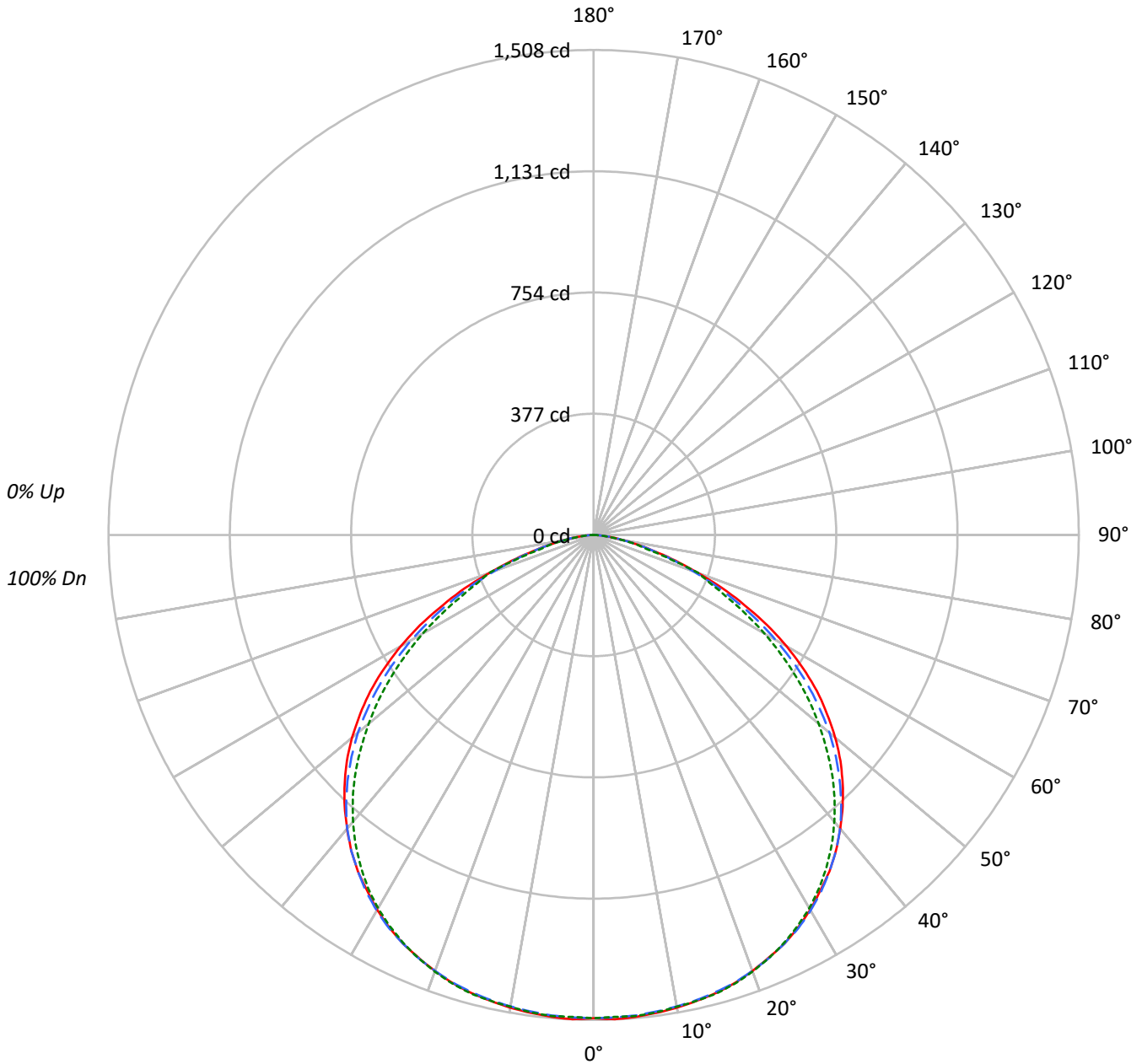
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4279.1 lumens
Efficiency: N/A
Efficacy: 88.0 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				
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	97	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	77	83	79	76	80	77	74	72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4043	4043	4043
5°	4063	4052	4056
10°	4080	4068	4071
15°	4108	4098	4113
20°	4133	4130	4137
25°	4164	4164	4156
30°	4183	4191	4165
35°	4196	4196	4143
40°	4189	4186	4088
45°	4166	4118	3986
50°	4104	4004	3823
55°	3977	3810	3602
60°	3725	3520	3300
65°	3299	3110	2904
70°	2693	2573	2713
75°	2032	1996	1792
80°	1461	1368	1368
85°	917	865	760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	3.3
10°-20°	415.9	9.7
20°-30°	645.7	15.1
30°-40°	795.2	18.6
40°-50°	827.9	19.3
50°-60°	720.0	16.8
60°-70°	483.7	11.3
70°-80°	209.4	4.9
80°-90°	38.4	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°	1204.5	28.1
0°-40°	1999.7	46.7
0°-60°	3547.6	82.9
0°-90°	4279.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4279.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1502	1502	1502	1502	1502	
5°	1504	1495	1500	1503	1502	143
15°	1474	1464	1471	1476	1476	417
25°	1402	1396	1402	1402	1400	646
35°	1277	1274	1277	1266	1261	798
45°	1095	1091	1082	1058	1047	843
55°	848	832	812	780	768	753
65°	518	509	488	466	456	513
75°	195	197	192	196	172	215
85°	30	31	28	25	25	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1502.5	1502.5	1502.5	1502.5	1502.5
2.5°	1507.6	1498.3	1501.7	1506.8	1500.0
5°	1504.2	1494.9	1500.0	1503.4	1501.7
7.5°	1499.1	1492.3	1494.9	1498.3	1497.4
10°	1493.2	1486.4	1488.9	1492.3	1489.8
12.5°	1483.8	1476.2	1481.3	1484.7	1483.8
15°	1474.5	1464.3	1471.1	1476.2	1476.2
17.5°	1460.9	1452.4	1459.2	1463.5	1462.6
20°	1443.1	1437.1	1442.2	1445.6	1444.8
22.5°	1422.7	1418.4	1424.4	1424.4	1424.4
25°	1402.3	1395.5	1402.3	1402.3	1399.8
27.5°	1376.0	1370.0	1378.5	1376.0	1371.7
30°	1346.2	1342.8	1348.8	1344.5	1340.3
32.5°	1311.4	1309.7	1315.7	1307.2	1303.8
35°	1277.4	1274.0	1277.4	1266.4	1261.3
37.5°	1237.5	1234.1	1237.5	1223.1	1215.4
40°	1192.5	1190.0	1191.7	1173.0	1163.6
42.5°	1145.8	1143.2	1139.0	1116.1	1108.4
45°	1094.8	1091.4	1082.1	1057.5	1047.3
47.5°	1040.5	1034.5	1020.9	994.6	981.0
50°	980.2	971.7	956.4	927.5	913.1
52.5°	914.8	904.6	885.0	856.2	842.6
55°	847.7	832.4	812.0	779.7	767.8
57.5°	771.2	755.1	733.9	704.1	690.5
60°	692.2	676.1	654.0	626.8	613.2
62.5°	608.1	593.7	571.6	546.1	534.3
65°	518.1	508.8	488.4	465.5	456.1
67.5°	433.2	423.8	406.8	387.3	390.7
70°	342.3	341.4	327.0	313.4	344.8
72.5°	266.7	265.0	257.4	250.6	248.9
75°	195.4	197.1	192.0	196.2	172.4
77.5°	137.6	139.3	138.4	126.6	132.5
80°	94.3	94.3	88.3	84.1	88.3
82.5°	56.9	67.9	61.2	50.1	48.4
85°	29.7	30.6	28.0	24.6	24.6
87.5°	11.0	12.7	11.0	10.2	9.3
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)