

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: P505994

Luminaire Tested: **14PD-50-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505994
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-L930
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

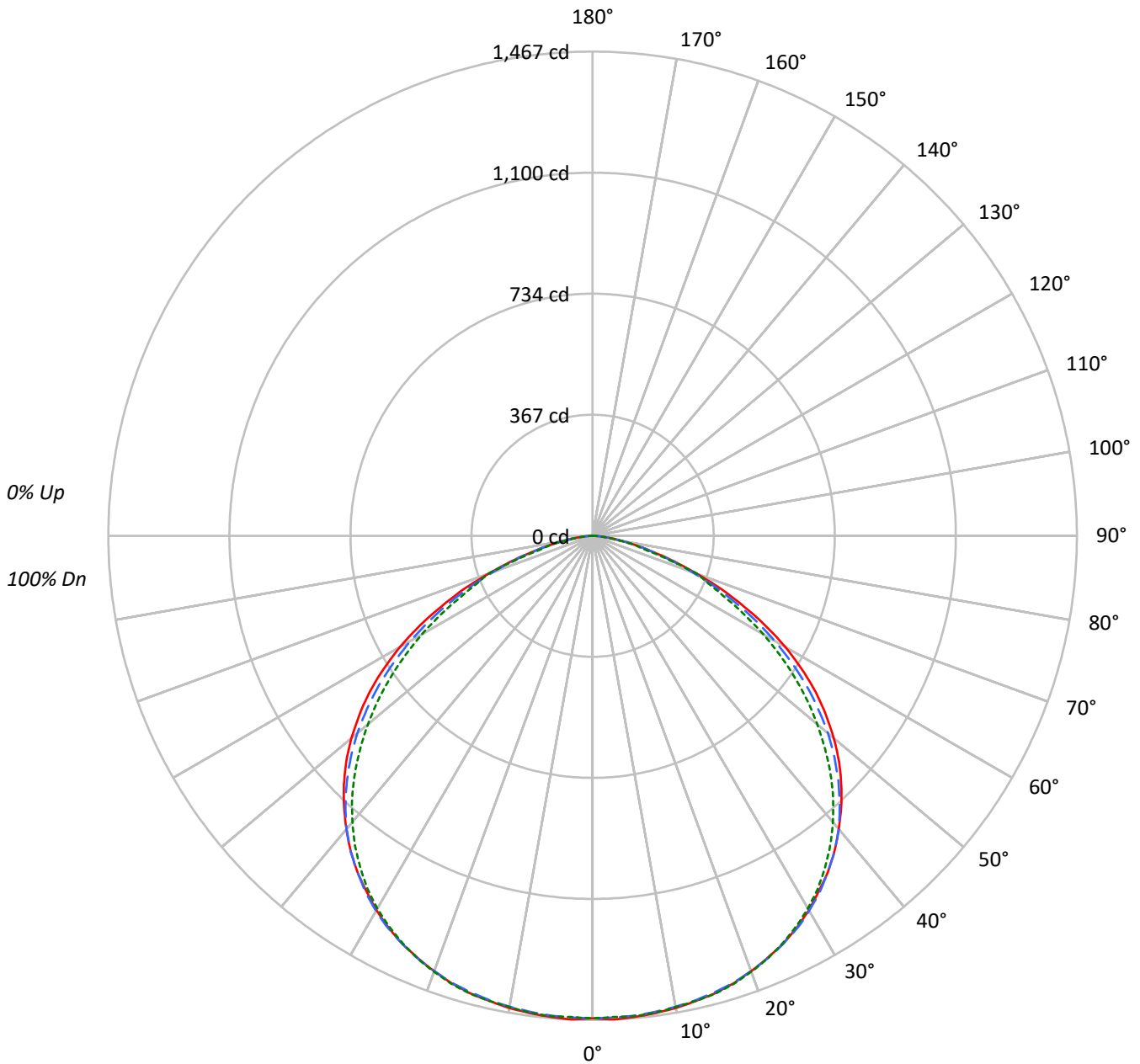
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4163.6 lumens
Efficiency: N/A
Efficacy: 85.7 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°	3934	3934	3934
5°	3954	3942	3947
10°	3970	3959	3961
15°	3997	3988	4001
20°	4021	4019	4026
25°	4051	4051	4044
30°	4070	4078	4052
35°	4083	4083	4031
40°	4076	4073	3977
45°	4054	4007	3878
50°	3993	3896	3719
55°	3870	3707	3505
60°	3625	3425	3211
65°	3210	3026	2826
70°	2620	2504	2640
75°	1976	1942	1745
80°	1421	1331	1331
85°	892	843	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	3.3
10°-20°	404.7	9.7
20°-30°	628.2	15.1
30°-40°	773.8	18.6
40°-50°	805.6	19.3
50°-60°	700.6	16.8
60°-70°	470.7	11.3
70°-80°	203.7	4.9
80°-90°	37.4	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°	1171.9	28.1
0°-40°	1945.7	46.7
0°-60°	3451.8	82.9
0°-90°	4163.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4163.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1462	1462	1462	1462	1462	
5°	1464	1454	1460	1463	1461	139
15°	1435	1425	1431	1436	1436	405
25°	1364	1358	1364	1364	1362	629
35°	1243	1240	1243	1232	1227	777
45°	1065	1062	1053	1029	1019	821
55°	825	810	790	759	747	733
65°	504	495	475	453	444	499
75°	190	192	187	191	168	210
85°	29	30	27	24	24	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1461.9	1461.9	1461.9	1461.9	1461.9
2.5°	1466.9	1457.8	1461.1	1466.1	1459.5
5°	1463.6	1454.5	1459.5	1462.8	1461.1
7.5°	1458.6	1452.0	1454.5	1457.8	1457.0
10°	1452.9	1446.2	1448.7	1452.0	1449.6
12.5°	1443.8	1436.3	1441.3	1444.6	1443.8
15°	1434.7	1424.8	1431.4	1436.3	1436.3
17.5°	1421.5	1413.2	1419.8	1423.9	1423.1
20°	1404.1	1398.3	1403.3	1406.6	1405.8
22.5°	1384.3	1380.1	1385.9	1385.9	1385.9
25°	1364.4	1357.8	1364.4	1364.4	1362.0
27.5°	1338.8	1333.0	1341.3	1338.8	1334.7
30°	1309.9	1306.6	1312.4	1308.2	1304.1
32.5°	1276.0	1274.4	1280.1	1271.9	1268.6
35°	1242.9	1239.6	1242.9	1232.2	1227.2
37.5°	1204.1	1200.8	1204.1	1190.1	1182.6
40°	1160.3	1157.8	1159.5	1141.3	1132.2
42.5°	1114.8	1112.4	1108.2	1085.9	1078.5
45°	1065.3	1062.0	1052.9	1028.9	1019.0
47.5°	1012.4	1006.6	993.4	967.7	954.5
50°	953.7	945.4	930.6	902.5	888.4
52.5°	890.1	880.1	861.1	833.0	819.8
55°	824.8	809.9	790.1	758.7	747.1
57.5°	750.4	734.7	714.0	685.1	671.9
60°	673.5	657.8	636.3	609.9	596.7
62.5°	591.7	577.7	556.2	531.4	519.8
65°	504.1	495.0	475.2	452.9	443.8
67.5°	421.5	412.4	395.9	376.9	380.2
70°	333.0	332.2	318.2	305.0	335.5
72.5°	259.5	257.8	250.4	243.8	242.1
75°	190.1	191.7	186.8	190.9	167.8
77.5°	133.9	135.5	134.7	123.1	128.9
80°	91.7	91.7	85.9	81.8	85.9
82.5°	55.4	66.1	59.5	48.8	47.1
85°	28.9	29.8	27.3	24.0	24.0
87.5°	10.7	12.4	10.7	9.9	9.1
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)