

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: P505970

Luminaire Tested: **14PD-45-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505970
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-45-PW1-L950
Description: 4500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

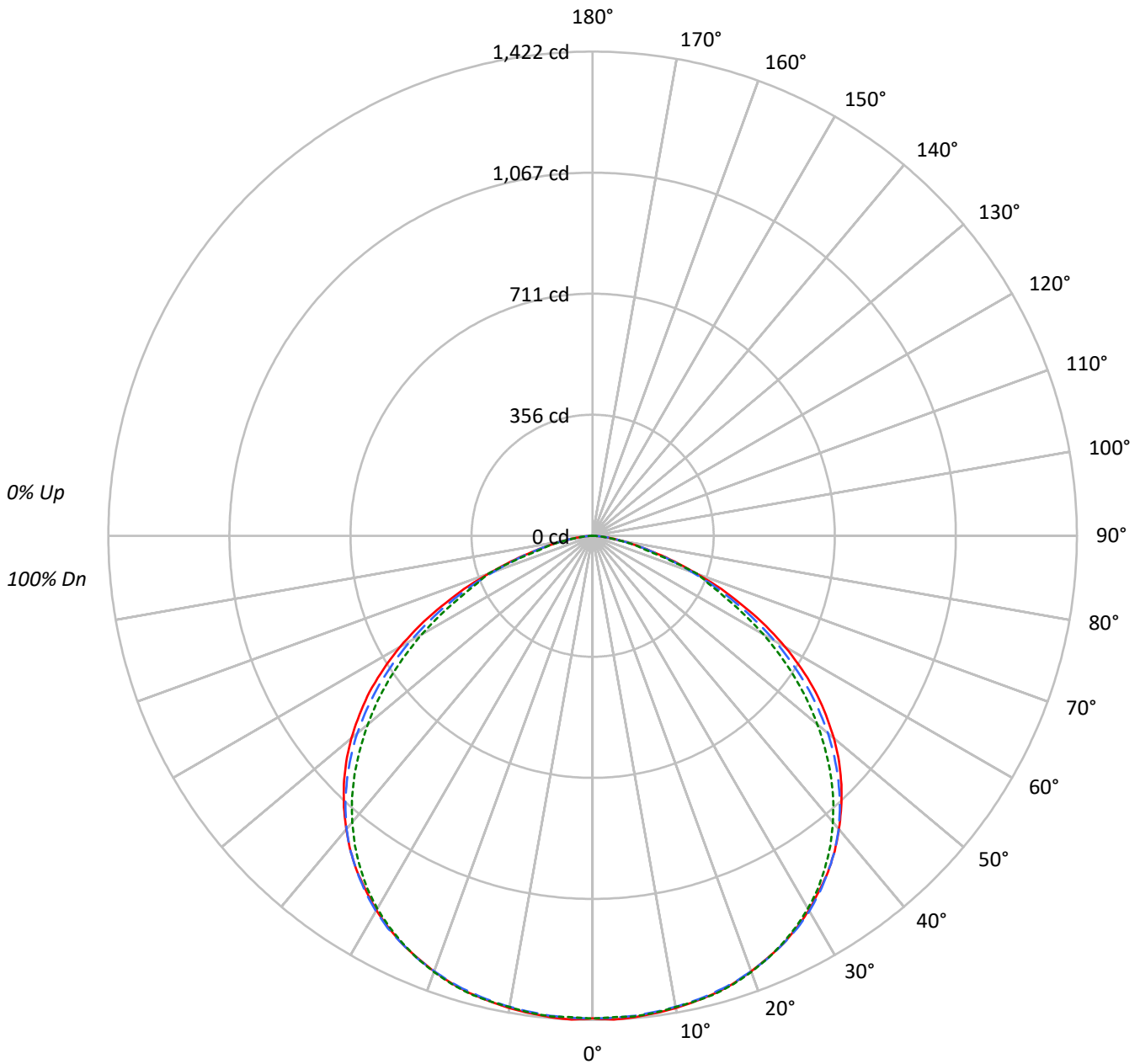
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4036.9 lumens
Efficiency: N/A
Efficacy: 94.1 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): 42.9
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°	3814	3814	3814
5°	3833	3823	3827
10°	3849	3838	3841
15°	3875	3866	3880
20°	3899	3896	3903
25°	3928	3928	3921
30°	3946	3954	3929
35°	3959	3959	3909
40°	3952	3949	3856
45°	3931	3885	3760
50°	3871	3777	3606
55°	3752	3594	3399
60°	3515	3321	3113
65°	3112	2933	2740
70°	2541	2427	2559
75°	1916	1883	1692
80°	1378	1291	1291
85°	865	815	716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.8	3.3
10°-20°	392.4	9.7
20°-30°	609.1	15.1
30°-40°	750.2	18.6
40°-50°	781.1	19.3
50°-60°	679.3	16.8
60°-70°	456.3	11.3
70°-80°	197.5	4.9
80°-90°	36.2	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°	1136.3	28.1
0°-40°	1886.5	46.7
0°-60°	3346.8	82.9
0°-90°	4036.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4036.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1418	1418	1418	1418	1418	
5°	1419	1410	1415	1418	1417	135
15°	1391	1381	1388	1393	1393	393
25°	1323	1316	1323	1323	1320	610
35°	1205	1202	1205	1195	1190	753
45°	1033	1030	1021	998	988	796
55°	800	785	766	736	724	711
65°	489	480	461	439	430	484
75°	184	186	181	185	163	203
85°	28	29	26	23	23	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1417.5	1417.5	1417.5	1417.5	1417.5
2.5°	1422.3	1413.5	1416.7	1421.5	1415.1
5°	1419.1	1410.3	1415.1	1418.3	1416.7
7.5°	1414.3	1407.9	1410.3	1413.5	1412.7
10°	1408.7	1402.3	1404.7	1407.9	1405.5
12.5°	1399.9	1392.6	1397.5	1400.7	1399.9
15°	1391.0	1381.4	1387.8	1392.6	1392.6
17.5°	1378.2	1370.2	1376.6	1380.6	1379.8
20°	1361.4	1355.8	1360.6	1363.8	1363.0
22.5°	1342.2	1338.2	1343.8	1343.8	1343.8
25°	1322.9	1316.5	1322.9	1322.9	1320.5
27.5°	1298.1	1292.5	1300.5	1298.1	1294.1
30°	1270.0	1266.8	1272.5	1268.4	1264.4
32.5°	1237.2	1235.6	1241.2	1233.2	1230.0
35°	1205.1	1201.9	1205.1	1194.7	1189.9
37.5°	1167.5	1164.3	1167.5	1153.9	1146.7
40°	1125.0	1122.6	1124.2	1106.6	1097.8
42.5°	1080.9	1078.5	1074.5	1052.9	1045.7
45°	1032.9	1029.7	1020.8	997.6	988.0
47.5°	981.6	976.0	963.2	938.3	925.5
50°	924.7	916.7	902.3	875.0	861.4
52.5°	863.0	853.4	834.9	807.7	794.9
55°	799.7	785.3	766.0	735.6	724.4
57.5°	727.6	712.3	692.3	664.3	651.5
60°	653.1	637.8	617.0	591.4	578.5
62.5°	573.7	560.1	539.3	515.2	504.0
65°	488.8	480.0	460.7	439.1	430.3
67.5°	408.7	399.8	383.8	365.4	368.6
70°	322.9	322.1	308.5	295.7	325.3
72.5°	251.6	250.0	242.8	236.4	234.8
75°	184.3	185.9	181.1	185.1	162.7
77.5°	129.8	131.4	130.6	119.4	125.0
80°	88.9	88.9	83.3	79.3	83.3
82.5°	53.7	64.1	57.7	47.3	45.7
85°	28.0	28.8	26.4	23.2	23.2
87.5°	10.4	12.0	10.4	9.6	8.8
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)