

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: P505968

Luminaire Tested: **14PD-45-PW1-L935**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P505968
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-L935
Description: 4500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

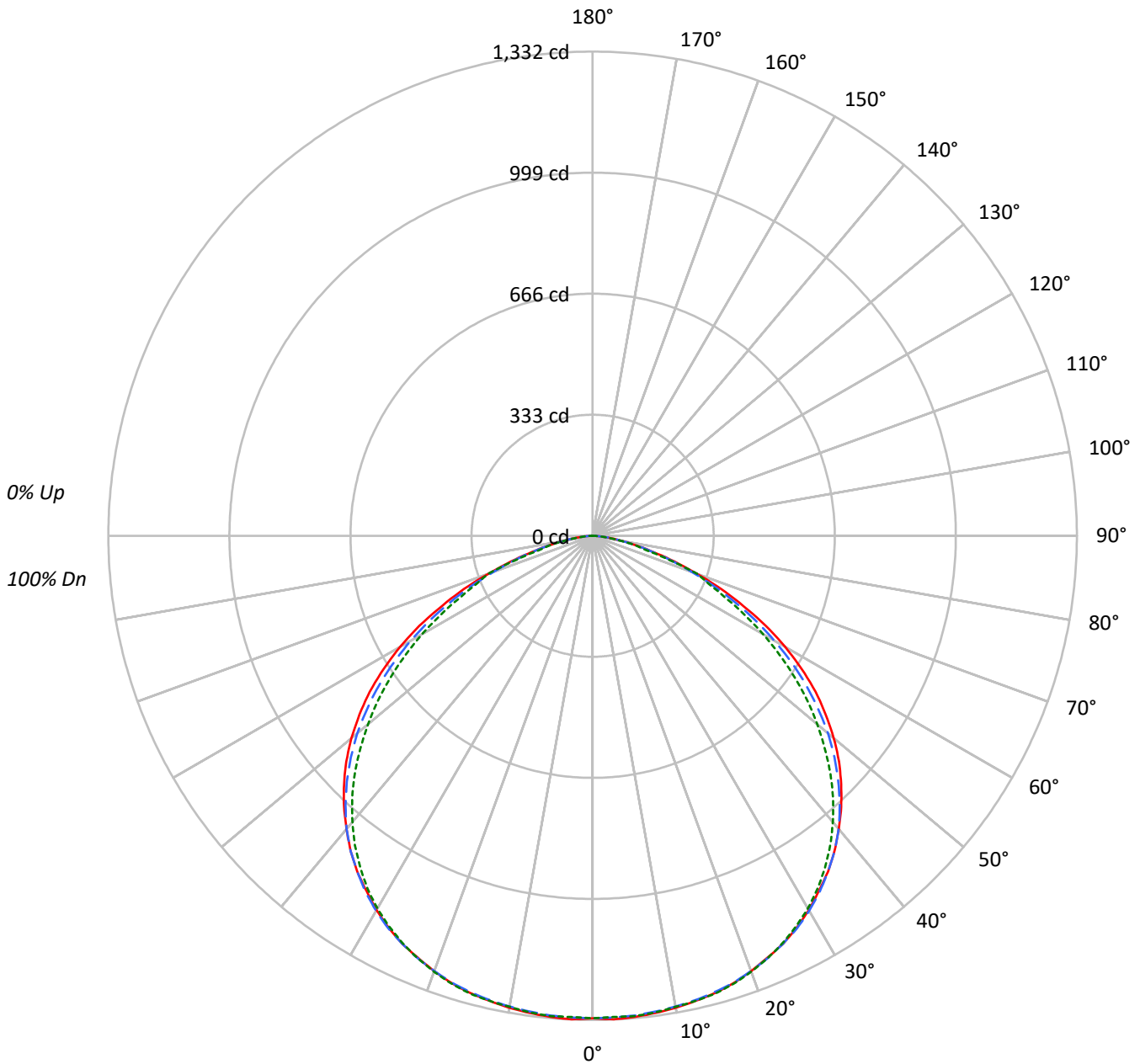
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3779.7 lumens
Efficiency: N/A
Efficacy: 88.1 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°	3571	3571	3571
5°	3589	3579	3583
10°	3604	3593	3596
15°	3628	3620	3633
20°	3650	3648	3654
25°	3678	3678	3671
30°	3695	3702	3679
35°	3707	3707	3660
40°	3700	3698	3610
45°	3680	3637	3520
50°	3625	3537	3376
55°	3513	3365	3182
60°	3291	3109	2915
65°	2914	2747	2565
70°	2378	2272	2397
75°	1795	1763	1583
80°	1291	1209	1209
85°	812	766	673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	3.3
10°-20°	367.4	9.7
20°-30°	570.3	15.1
30°-40°	702.4	18.6
40°-50°	731.3	19.3
50°-60°	636.0	16.8
60°-70°	427.3	11.3
70°-80°	184.9	4.9
80°-90°	34.0	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°	1063.9	28.1
0°-40°	1766.3	46.7
0°-60°	3133.5	82.9
0°-90°	3779.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3779.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1327	1327	1327	1327	1327	
5°	1329	1320	1325	1328	1326	126
15°	1302	1293	1299	1304	1304	368
25°	1239	1233	1239	1239	1236	571
35°	1128	1125	1128	1119	1114	705
45°	967	964	956	934	925	745
55°	749	735	717	689	678	665
65°	458	449	431	411	403	453
75°	173	174	170	173	152	190
85°	26	27	25	22	22	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1327.2	1327.2	1327.2	1327.2	1327.2
2.5°	1331.7	1323.4	1326.4	1330.9	1324.9
5°	1328.7	1320.4	1324.9	1327.9	1326.4
7.5°	1324.2	1318.1	1320.4	1323.4	1322.7
10°	1318.9	1312.9	1315.1	1318.1	1315.9
12.5°	1310.6	1303.9	1308.4	1311.4	1310.6
15°	1302.4	1293.4	1299.4	1303.9	1303.9
17.5°	1290.4	1282.9	1288.9	1292.6	1291.9
20°	1274.6	1269.4	1273.9	1276.9	1276.1
22.5°	1256.6	1252.9	1258.1	1258.1	1258.1
25°	1238.6	1232.6	1238.6	1238.6	1236.4
27.5°	1215.4	1210.1	1217.6	1215.4	1211.6
30°	1189.1	1186.1	1191.4	1187.6	1183.9
32.5°	1158.4	1156.9	1162.1	1154.6	1151.6
35°	1128.3	1125.3	1128.3	1118.6	1114.1
37.5°	1093.1	1090.1	1093.1	1080.3	1073.6
40°	1053.3	1051.1	1052.6	1036.1	1027.8
42.5°	1012.1	1009.8	1006.1	985.8	979.0
45°	967.0	964.0	955.8	934.0	925.0
47.5°	919.0	913.8	901.8	878.5	866.5
50°	865.8	858.3	844.8	819.2	806.5
52.5°	808.0	799.0	781.7	756.2	744.2
55°	748.7	735.2	717.2	688.7	678.2
57.5°	681.2	667.0	648.2	621.9	609.9
60°	611.4	597.2	577.7	553.7	541.7
62.5°	537.2	524.4	504.9	482.4	471.9
65°	457.6	449.4	431.4	411.1	402.9
67.5°	382.6	374.4	359.4	342.1	345.1
70°	302.3	301.6	288.8	276.8	304.6
72.5°	235.6	234.1	227.3	221.3	219.8
75°	172.6	174.1	169.6	173.3	152.3
77.5°	121.5	123.0	122.3	111.8	117.0
80°	83.3	83.3	78.0	74.3	78.0
82.5°	50.3	60.0	54.0	44.3	42.8
85°	26.3	27.0	24.8	21.8	21.8
87.5°	9.8	11.3	9.8	9.0	8.3
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)