

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: P506319

Luminaire Tested: **22PD-45-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-45-PW1-L935
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

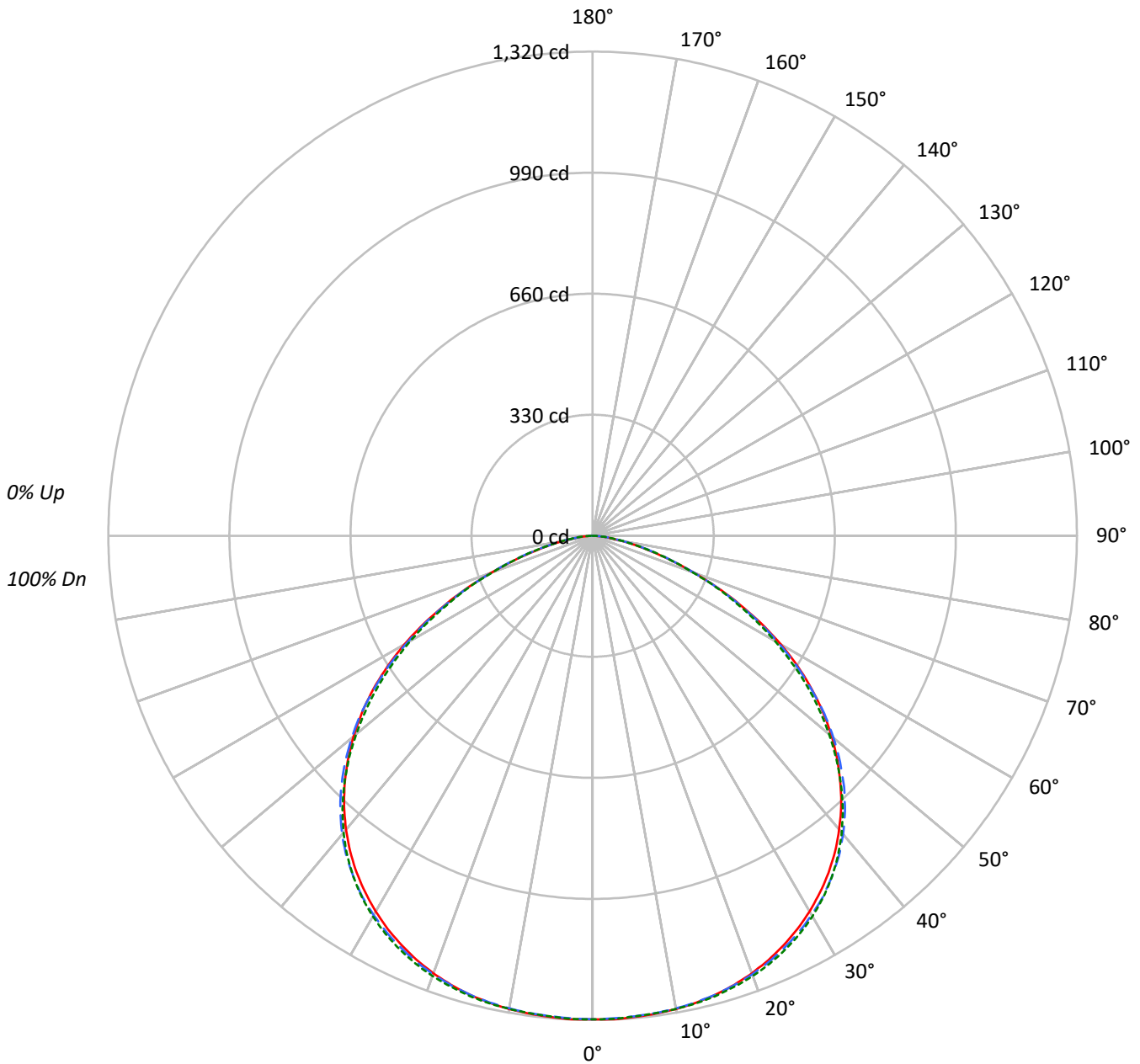
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3810.8 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.8
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			
10	53	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°	3548	3548	3548
5°	3557	3552	3554
10°	3580	3575	3579
15°	3609	3607	3618
20°	3635	3643	3658
25°	3657	3678	3695
30°	3675	3710	3723
35°	3684	3732	3733
40°	3673	3732	3711
45°	3636	3688	3643
50°	3562	3588	3523
55°	3424	3408	3345
60°	3188	3152	3086
65°	2811	2784	2730
70°	2302	2313	2265
75°	1744	1803	1788
80°	1263	1314	1292
85°	831	858	917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	3.3
10°-20°	366.1	9.6
20°-30°	570.8	15.0
30°-40°	707.5	18.6
40°-50°	740.3	19.4
50°-60°	645.1	16.9
60°-70°	432.1	11.3
70°-80°	187.3	4.9
80°-90°	36.1	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°	1062.3	27.9
0°-40°	1769.8	46.4
0°-60°	3155.3	82.8
0°-90°	3810.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3810.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1317	1316	1315	1315	1316	126
15°	1295	1293	1295	1296	1299	366
25°	1232	1232	1239	1242	1244	568
35°	1121	1126	1136	1137	1136	701
45°	956	961	969	961	957	736
55°	730	729	726	718	713	650
65°	442	439	437	433	429	437
75°	168	171	173	172	172	185
85°	27	29	28	28	30	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1318.3	1318.3	1318.3	1318.3	1318.3
2.5°	1319.8	1317.4	1316.9	1316.9	1318.3
5°	1316.9	1315.5	1315.0	1314.6	1315.5
7.5°	1314.1	1312.2	1312.7	1311.7	1312.7
10°	1310.3	1308.4	1308.4	1308.4	1309.9
12.5°	1303.7	1302.3	1302.8	1303.7	1305.6
15°	1295.3	1293.4	1294.8	1296.2	1298.6
17.5°	1283.5	1282.1	1284.4	1286.8	1288.7
20°	1269.3	1267.9	1272.2	1275.5	1277.3
22.5°	1251.9	1251.4	1257.1	1260.9	1262.3
25°	1231.6	1232.1	1238.7	1242.5	1244.4
27.5°	1208.6	1209.5	1218.0	1221.3	1223.2
30°	1182.6	1185.0	1194.0	1196.8	1198.2
32.5°	1153.4	1156.7	1167.6	1169.4	1169.4
35°	1121.4	1125.6	1136.0	1137.4	1136.5
37.5°	1085.6	1090.3	1102.1	1100.2	1098.8
40°	1045.5	1050.7	1062.5	1058.7	1056.4
42.5°	1002.7	1007.8	1018.2	1012.5	1009.3
45°	955.5	960.7	969.2	961.2	957.4
47.5°	904.7	910.8	915.0	906.1	901.4
50°	850.9	852.8	857.1	846.7	841.5
52.5°	792.5	792.5	795.8	784.5	778.4
55°	729.8	729.4	726.5	718.5	712.9
57.5°	663.4	660.6	658.7	650.2	643.6
60°	592.3	588.0	585.7	578.6	573.4
62.5°	517.8	515.5	512.6	507.0	501.3
65°	441.5	439.1	437.2	433.0	428.8
67.5°	365.6	364.2	364.2	361.4	360.9
70°	292.6	293.5	294.0	294.0	287.9
72.5°	226.6	227.1	229.5	227.6	227.1
75°	167.7	170.6	173.4	172.0	172.0
77.5°	120.6	124.9	124.9	123.9	122.5
80°	81.5	83.4	84.8	84.3	83.4
82.5°	51.8	53.2	51.8	52.8	53.2
85°	26.9	28.7	27.8	28.3	29.7
87.5°	9.0	9.9	10.4	9.9	9.9
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)