

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: P506318

Luminaire Tested: **22PD-45-PW1-L930**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506318
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-L930
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

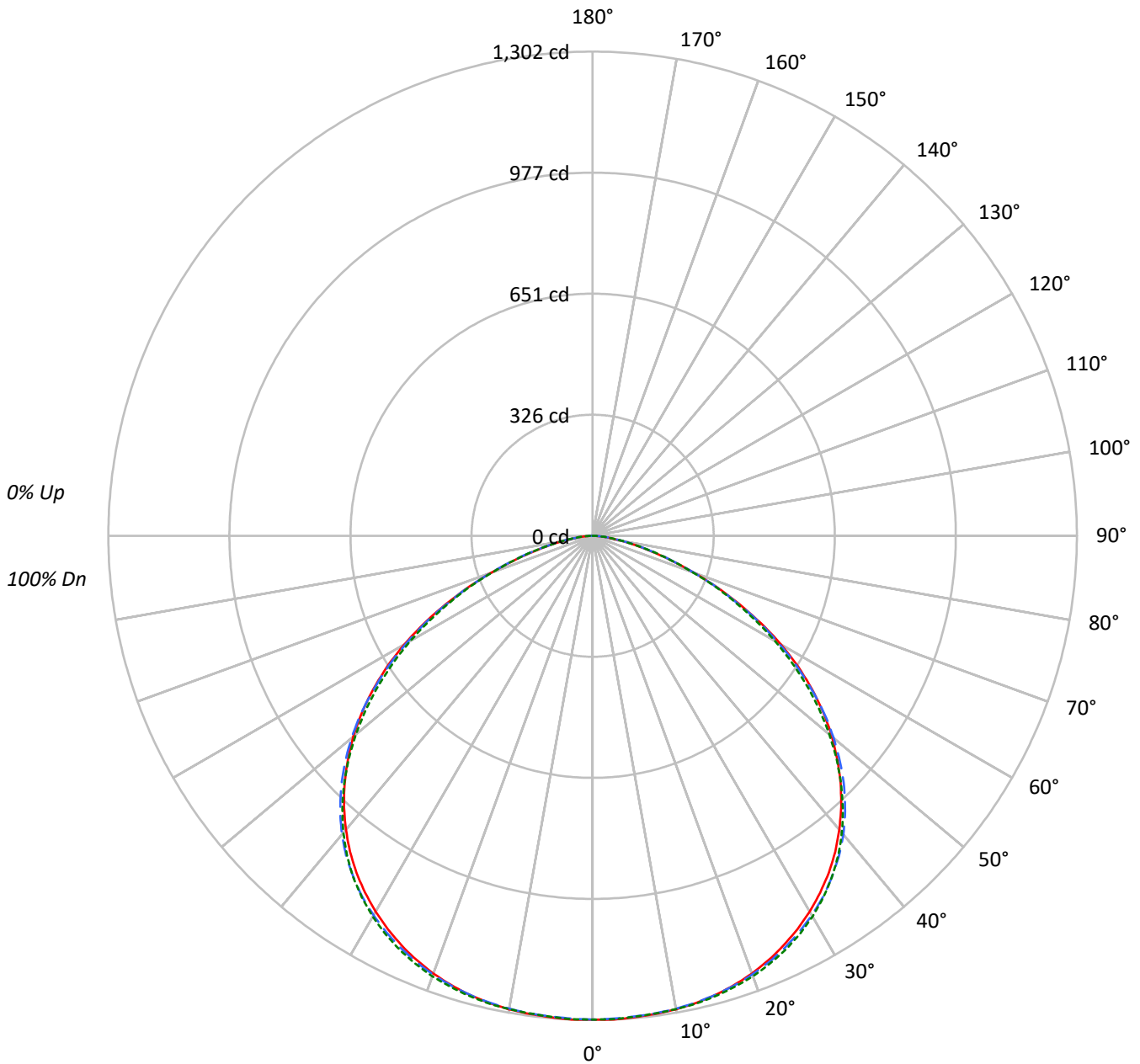
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3760.6 lumens
Efficiency: N/A
Efficacy: 99.5 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

TEST NUMBER: P506318
CATALOG NUMBER: 22PD-45-PW1-L930

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°	3501	3501	3501
5°	3511	3505	3507
10°	3533	3528	3532
15°	3561	3560	3570
20°	3587	3595	3610
25°	3609	3630	3646
30°	3626	3661	3674
35°	3635	3683	3684
40°	3624	3683	3662
45°	3588	3640	3596
50°	3515	3541	3476
55°	3379	3364	3301
60°	3146	3110	3046
65°	2774	2748	2694
70°	2271	2282	2235
75°	1721	1779	1764
80°	1246	1297	1275
85°	818	846	905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	3.3
10°-20°	361.3	9.6
20°-30°	563.3	15.0
30°-40°	698.2	18.6
40°-50°	730.6	19.4
50°-60°	636.6	16.9
60°-70°	426.5	11.3
70°-80°	184.8	4.9
80°-90°	35.6	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°	1048.3	27.9
0°-40°	1746.5	46.4
0°-60°	3113.7	82.8
0°-90°	3760.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3760.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1301	1301	1301	1301	1301	
5°	1300	1298	1298	1297	1298	124
15°	1278	1276	1278	1279	1281	361
25°	1215	1216	1222	1226	1228	560
35°	1107	1111	1121	1122	1122	692
45°	943	948	956	948	945	726
55°	720	720	717	709	704	641
65°	436	433	432	427	423	431
75°	166	168	171	170	170	182
85°	26	28	27	28	29	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1301.0	1301.0	1301.0	1301.0	1301.0
2.5°	1302.4	1300.0	1299.6	1299.6	1301.0
5°	1299.6	1298.2	1297.7	1297.2	1298.2
7.5°	1296.8	1294.9	1295.4	1294.4	1295.4
10°	1293.1	1291.2	1291.2	1291.2	1292.6
12.5°	1286.5	1285.1	1285.6	1286.5	1288.4
15°	1278.2	1276.3	1277.7	1279.1	1281.4
17.5°	1266.5	1265.2	1267.5	1269.8	1271.7
20°	1252.6	1251.2	1255.4	1258.6	1260.5
22.5°	1235.4	1234.9	1240.5	1244.2	1245.6
25°	1215.4	1215.9	1222.4	1226.1	1228.0
27.5°	1192.6	1193.6	1201.9	1205.2	1207.0
30°	1167.0	1169.4	1178.2	1181.0	1182.4
32.5°	1138.2	1141.5	1152.2	1154.0	1154.0
35°	1106.6	1110.8	1121.0	1122.4	1121.5
37.5°	1071.3	1075.9	1087.5	1085.7	1084.3
40°	1031.7	1036.9	1048.5	1044.8	1042.4
42.5°	989.4	994.5	1004.8	999.2	995.9
45°	942.9	948.1	956.4	948.5	944.8
47.5°	892.7	898.8	903.0	894.1	889.5
50°	839.7	841.6	845.8	835.5	830.4
52.5°	782.1	782.1	785.3	774.2	768.1
55°	720.2	719.8	717.0	709.1	703.5
57.5°	654.7	651.9	650.0	641.6	635.1
60°	584.5	580.3	577.9	571.0	565.9
62.5°	511.0	508.7	505.9	500.3	494.7
65°	435.7	433.3	431.5	427.3	423.1
67.5°	360.8	359.4	359.4	356.6	356.2
70°	288.7	289.7	290.1	290.1	284.1
72.5°	223.6	224.1	226.4	224.6	224.1
75°	165.5	168.3	171.1	169.7	169.7
77.5°	119.0	123.2	123.2	122.3	120.9
80°	80.4	82.3	83.7	83.2	82.3
82.5°	51.1	52.5	51.1	52.1	52.5
85°	26.5	28.4	27.4	27.9	29.3
87.5°	8.8	9.8	10.2	9.8	9.8
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)