

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: P506300

Luminaire Tested: **22PD-45-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-45-PL1-L930
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

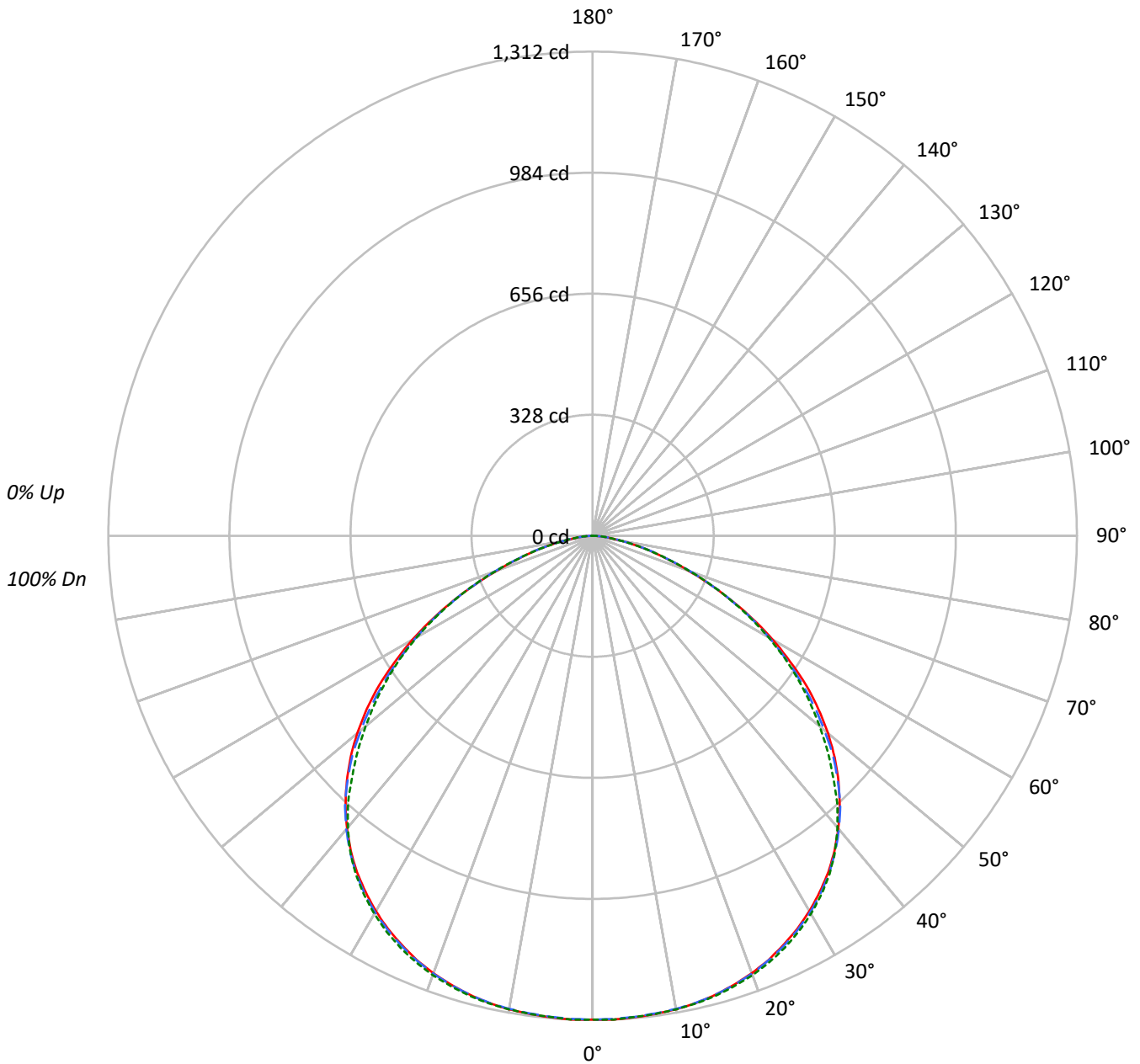
Lumens per Lamp: N/A
Luminaire Lumens: 3714.2 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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									
RC	80									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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3529	3529	3529
5°	3538	3535	3536
10°	3560	3557	3560
15°	3586	3586	3594
20°	3612	3616	3628
25°	3632	3640	3658
30°	3650	3661	3676
35°	3656	3667	3675
40°	3636	3646	3623
45°	3585	3574	3502
50°	3483	3429	3360
55°	3314	3230	3193
60°	3034	2977	2960
65°	2646	2640	2631
70°	2168	2205	2198
75°	1719	1748	1719
80°	1260	1252	1244
85°	840	827	883



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.7	3.4
10°-20°	363.8	9.8
20°-30°	565.5	15.2
30°-40°	697.2	18.8
40°-50°	720.1	19.4
50°-60°	616.2	16.6
60°-70°	411.2	11.1
70°-80°	180.5	4.9
80°-90°	34.9	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°	1054.1	28.4
0°-40°	1751.2	47.2
0°-60°	3087.6	83.1
0°-90°	3714.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3714.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1311	1311	1311	1311	1311	
5°	1310	1308	1308	1308	1309	125
15°	1287	1286	1287	1288	1290	364
25°	1223	1223	1226	1230	1232	564
35°	1113	1113	1116	1119	1119	695
45°	942	942	939	930	920	725
55°	706	698	688	685	681	628
65°	416	415	415	416	413	412
75°	165	164	168	167	165	179
85°	27	27	27	28	29	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1311.3	1311.3	1311.3	1311.3	1311.3
2.5°	1312.2	1310.4	1309.9	1309.9	1312.2
5°	1309.9	1308.1	1308.5	1307.6	1309.0
7.5°	1306.7	1304.8	1305.3	1304.8	1306.7
10°	1303.0	1301.1	1301.6	1301.1	1303.0
12.5°	1296.5	1295.1	1296.1	1296.5	1297.9
15°	1287.3	1285.9	1287.3	1288.2	1290.1
17.5°	1275.3	1274.4	1275.7	1277.1	1279.4
20°	1261.4	1260.5	1262.8	1264.2	1267.0
22.5°	1244.3	1243.4	1245.7	1249.0	1250.8
25°	1223.1	1223.1	1225.9	1229.6	1231.9
27.5°	1200.5	1200.0	1203.3	1206.9	1209.3
30°	1174.6	1173.7	1178.3	1181.6	1182.9
32.5°	1144.6	1145.1	1149.2	1152.5	1152.9
35°	1112.8	1112.8	1116.4	1118.8	1118.8
37.5°	1076.3	1075.8	1079.5	1080.4	1079.0
40°	1035.2	1035.6	1038.0	1037.5	1031.5
42.5°	990.9	991.3	993.2	986.7	980.7
45°	941.9	941.5	939.1	930.4	920.2
47.5°	889.7	887.4	883.7	870.3	863.0
50°	832.0	828.3	819.1	808.5	802.5
52.5°	771.1	764.6	755.4	747.1	742.0
55°	706.4	697.7	688.4	684.7	680.6
57.5°	634.4	628.9	621.0	619.2	616.4
60°	563.8	557.8	553.1	553.1	549.9
62.5°	489.9	486.2	484.3	485.3	482.0
65°	415.6	414.6	414.6	416.0	413.2
67.5°	343.5	345.4	344.9	349.5	345.8
70°	275.6	278.9	280.3	284.9	279.3
72.5°	217.0	217.5	219.3	220.7	217.9
75°	165.3	163.9	168.1	167.1	165.3
77.5°	119.6	118.7	120.0	121.0	118.7
80°	81.3	80.3	80.8	82.2	80.3
82.5°	51.3	50.3	50.3	51.7	51.3
85°	27.2	26.8	26.8	27.7	28.6
87.5°	9.7	9.2	9.7	9.7	9.7
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)