

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: P506313

Luminaire Tested: **22PD-45-PW1-L830**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506313
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-L830
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

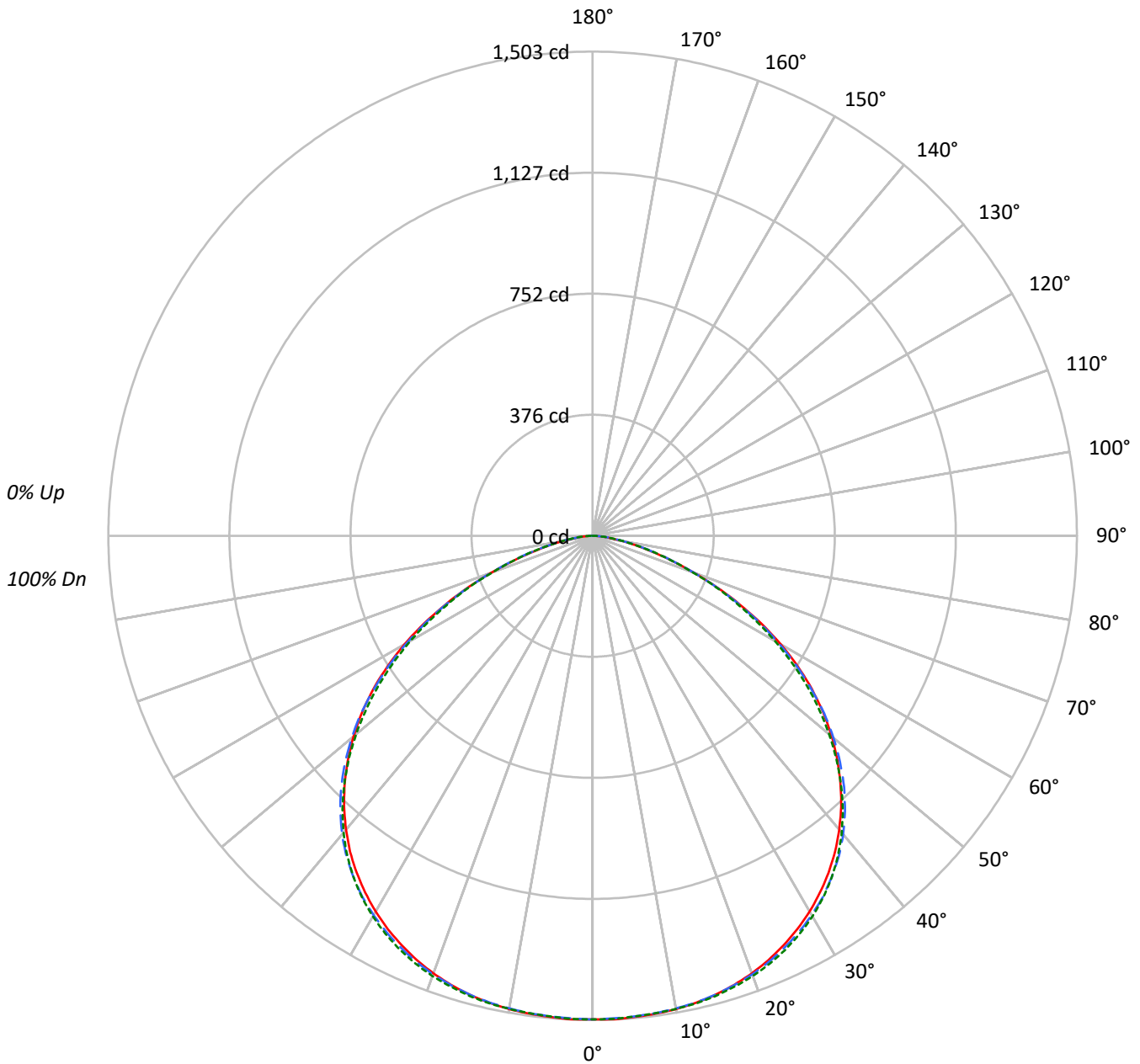
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4339.4 lumens
Efficiency: N/A
Efficacy: 114.8 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				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				100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52				52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39				39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35				35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4040	4040	4040
5°	4051	4045	4046
10°	4077	4071	4076
15°	4109	4108	4120
20°	4139	4148	4165
25°	4164	4188	4207
30°	4185	4225	4240
35°	4195	4250	4251
40°	4182	4250	4226
45°	4141	4200	4149
50°	4057	4086	4011
55°	3899	3881	3809
60°	3630	3589	3514
65°	3201	3170	3109
70°	2622	2634	2579
75°	1986	2052	2036
80°	1438	1497	1472
85°	945	979	1044



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	3.3
10°-20°	416.9	9.6
20°-30°	650.0	15.0
30°-40°	805.7	18.6
40°-50°	843.0	19.4
50°-60°	734.6	16.9
60°-70°	492.1	11.3
70°-80°	213.3	4.9
80°-90°	41.1	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°	1209.7	27.9
0°-40°	2015.3	46.4
0°-60°	3593.0	82.8
0°-90°	4339.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4339.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1501	1501	1501	1501	1501	
5°	1500	1498	1498	1497	1498	143
15°	1475	1473	1474	1476	1479	417
25°	1402	1403	1410	1415	1417	647
35°	1277	1282	1294	1295	1294	798
45°	1088	1094	1104	1094	1090	838
55°	831	830	827	818	812	740
65°	503	500	498	493	488	497
75°	191	194	197	196	196	211
85°	31	33	32	32	34	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1501.2	1501.2	1501.2	1501.2	1501.2
2.5°	1502.8	1500.1	1499.6	1499.6	1501.2
5°	1499.6	1498.0	1497.5	1496.9	1498.0
7.5°	1496.4	1494.2	1494.8	1493.7	1494.8
10°	1492.1	1489.9	1489.9	1489.9	1491.6
12.5°	1484.6	1483.0	1483.5	1484.6	1486.7
15°	1474.9	1472.8	1474.4	1476.0	1478.7
17.5°	1461.5	1459.9	1462.6	1465.3	1467.4
20°	1445.4	1443.8	1448.6	1452.4	1454.5
22.5°	1425.6	1425.0	1431.5	1435.8	1437.4
25°	1402.5	1403.0	1410.5	1414.8	1417.0
27.5°	1376.2	1377.3	1386.9	1390.7	1392.8
30°	1346.7	1349.4	1359.6	1362.8	1364.4
32.5°	1313.4	1317.2	1329.5	1331.7	1331.7
35°	1276.9	1281.8	1293.6	1295.2	1294.1
37.5°	1236.2	1241.5	1254.9	1252.8	1251.2
40°	1190.6	1196.5	1209.9	1205.6	1202.9
42.5°	1141.7	1147.6	1159.4	1153.0	1149.2
45°	1088.1	1094.0	1103.6	1094.5	1090.2
47.5°	1030.1	1037.1	1041.9	1031.7	1026.4
50°	969.0	971.1	975.9	964.1	958.2
52.5°	902.4	902.4	906.2	893.3	886.3
55°	831.1	830.5	827.3	818.2	811.8
57.5°	755.4	752.2	750.1	740.4	732.9
60°	674.4	669.6	666.9	658.9	653.0
62.5°	589.6	587.0	583.7	577.3	570.9
65°	502.7	500.0	497.9	493.1	488.2
67.5°	416.3	414.7	414.7	411.5	411.0
70°	333.2	334.3	334.8	334.8	327.8
72.5°	258.1	258.6	261.3	259.1	258.6
75°	191.0	194.2	197.4	195.8	195.8
77.5°	137.4	142.2	142.2	141.1	139.5
80°	92.8	95.0	96.6	96.0	95.0
82.5°	59.0	60.6	59.0	60.1	60.6
85°	30.6	32.7	31.7	32.2	33.8
87.5°	10.2	11.3	11.8	11.3	11.3
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)