

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: P506346

Luminaire Tested: **22PD-50-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506346
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-50-PW1-L935
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

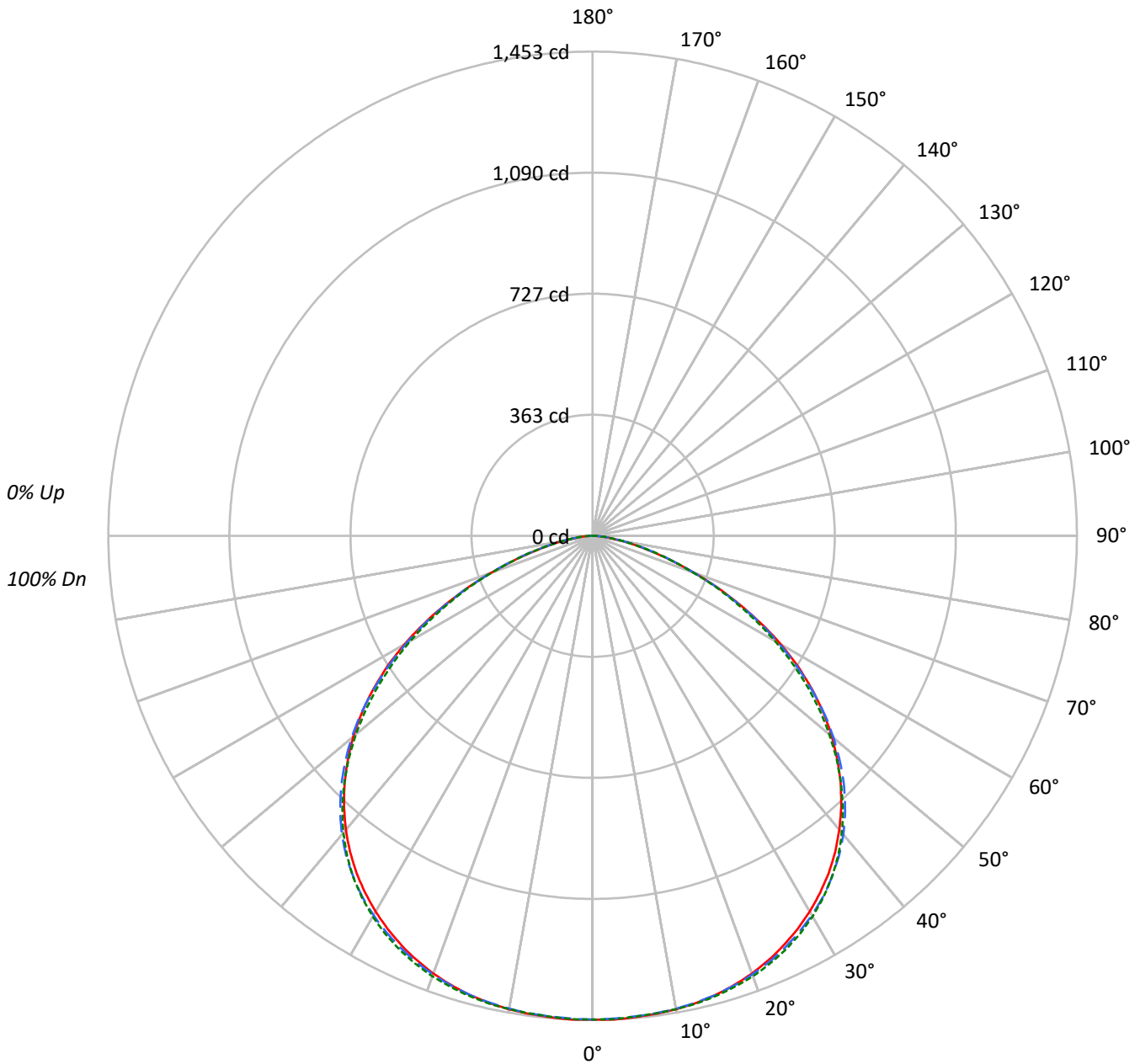
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4196.8 lumens
Efficiency: N/A
Efficacy: 100.2 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): 41.9
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

TEST NUMBER: P506346
CATALOG NUMBER: 22PD-50-PW1-L935

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			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°	3907	3907	3907
5°	3918	3912	3913
10°	3943	3937	3942
15°	3974	3972	3984
20°	4003	4012	4028
25°	4027	4051	4069
30°	4047	4086	4100
35°	4057	4110	4112
40°	4045	4110	4086
45°	4005	4062	4013
50°	3923	3952	3880
55°	3771	3754	3683
60°	3510	3471	3399
65°	3096	3066	3007
70°	2535	2548	2494
75°	1920	1986	1969
80°	1392	1447	1423
85°	914	945	1010



TEST NUMBER: P506346

CATALOG NUMBER: 22PD-50-PW1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	3.3
10°-20°	403.2	9.6
20°-30°	628.6	15.0
30°-40°	779.2	18.6
40°-50°	815.3	19.4
50°-60°	710.5	16.9
60°-70°	475.9	11.3
70°-80°	206.3	4.9
80°-90°	39.7	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°	1169.9	27.9
0°-40°	1949.1	46.4
0°-60°	3474.8	82.8
0°-90°	4196.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4196.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1452	1452	1452	1452	1452	
5°	1450	1449	1448	1448	1449	138
15°	1426	1424	1426	1428	1430	403
25°	1356	1357	1364	1368	1370	625
35°	1235	1240	1251	1253	1252	772
45°	1052	1058	1067	1058	1054	810
55°	804	803	800	791	785	716
65°	486	484	482	477	472	481
75°	185	188	191	189	189	204
85°	30	32	31	31	33	38
90°	0	0	0	0	0	



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CATALOG NUMBER: 22PD-50-PW1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1451.8	1451.8	1451.8	1451.8	1451.8
2.5°	1453.4	1450.8	1450.3	1450.3	1451.8
5°	1450.3	1448.7	1448.2	1447.7	1448.7
7.5°	1447.2	1445.1	1445.6	1444.6	1445.6
10°	1443.0	1440.9	1440.9	1440.9	1442.5
12.5°	1435.8	1434.2	1434.7	1435.8	1437.8
15°	1426.4	1424.3	1425.9	1427.5	1430.0
17.5°	1413.4	1411.9	1414.5	1417.1	1419.2
20°	1397.9	1396.3	1401.0	1404.6	1406.7
22.5°	1378.7	1378.2	1384.4	1388.5	1390.1
25°	1356.4	1356.9	1364.2	1368.3	1370.4
27.5°	1330.9	1332.0	1341.3	1345.0	1347.0
30°	1302.4	1305.0	1314.9	1318.0	1319.5
32.5°	1270.2	1273.9	1285.8	1287.9	1287.9
35°	1234.9	1239.6	1251.0	1252.6	1251.6
37.5°	1195.5	1200.7	1213.7	1211.6	1210.0
40°	1151.4	1157.1	1170.1	1165.9	1163.3
42.5°	1104.2	1109.9	1121.3	1115.1	1111.5
45°	1052.3	1058.0	1067.3	1058.5	1054.4
47.5°	996.3	1003.0	1007.7	997.8	992.6
50°	937.1	939.2	943.9	932.4	926.7
52.5°	872.8	872.8	876.4	863.9	857.2
55°	803.8	803.2	800.1	791.3	785.1
57.5°	730.6	727.5	725.4	716.1	708.8
60°	652.2	647.6	645.0	637.2	631.5
62.5°	570.3	567.7	564.5	558.3	552.1
65°	486.2	483.6	481.5	476.9	472.2
67.5°	402.7	401.1	401.1	398.0	397.5
70°	322.2	323.3	323.8	323.8	317.0
72.5°	249.6	250.1	252.7	250.6	250.1
75°	184.7	187.8	191.0	189.4	189.4
77.5°	132.8	137.5	137.5	136.5	134.9
80°	89.8	91.8	93.4	92.9	91.8
82.5°	57.1	58.6	57.1	58.1	58.6
85°	29.6	31.7	30.6	31.1	32.7
87.5°	9.9	10.9	11.4	10.9	10.9
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)