

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: P506371

Luminaire Tested: **22PD-55-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506371
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-55-PW1-L927
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

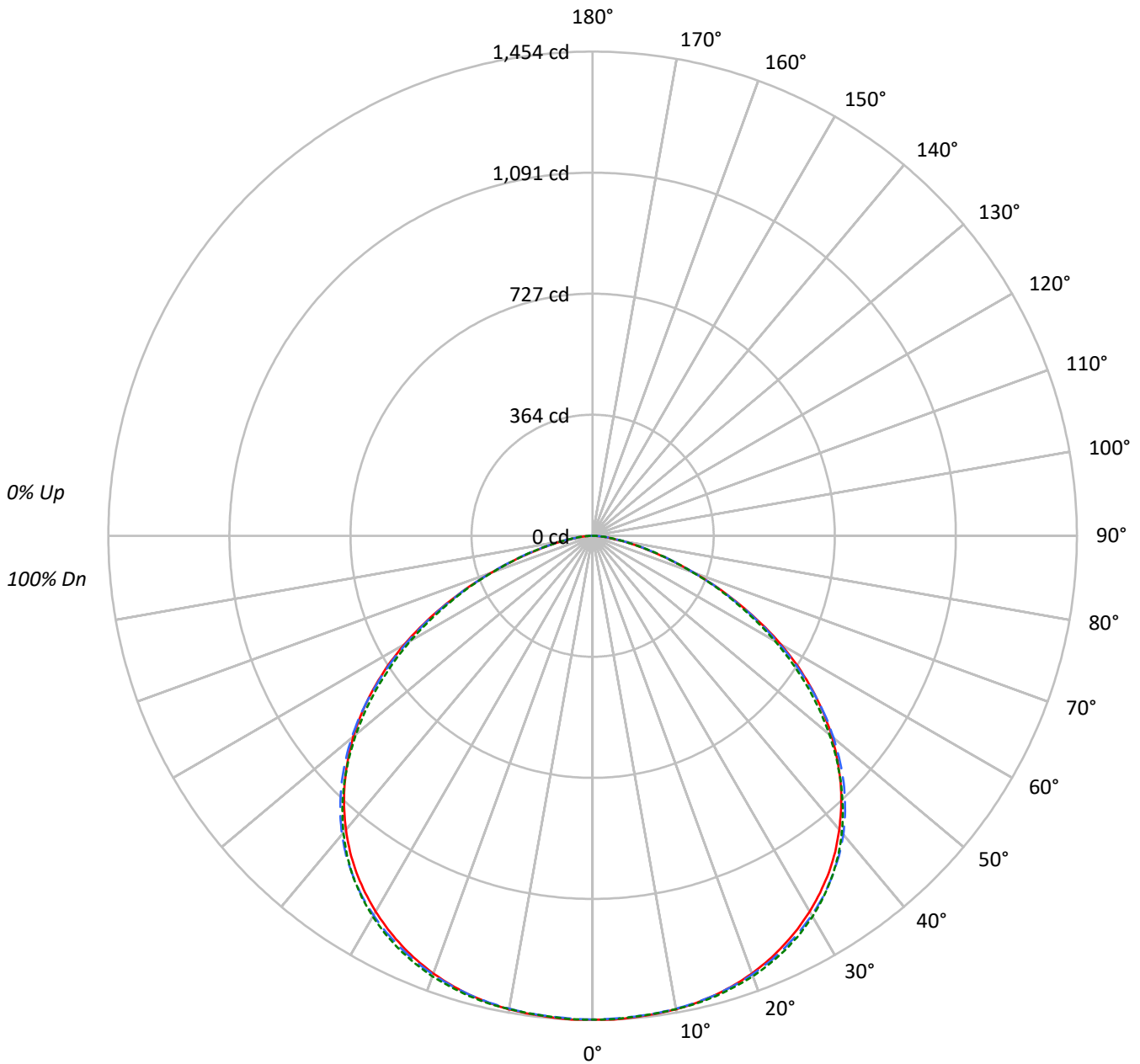
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4199.8 lumens
Efficiency: N/A
Efficacy: 92.5 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): 45.4
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			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°	3910	3910	3910
5°	3920	3915	3916
10°	3946	3940	3944
15°	3977	3975	3987
20°	4006	4015	4031
25°	4030	4053	4072
30°	4050	4089	4103
35°	4060	4113	4115
40°	4047	4113	4090
45°	4008	4065	4015
50°	3926	3954	3882
55°	3773	3757	3686
60°	3513	3474	3401
65°	3098	3068	3009
70°	2537	2549	2496
75°	1922	1987	1970
80°	1392	1449	1424
85°	914	945	1010



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	3.3
10°-20°	403.5	9.6
20°-30°	629.1	15.0
30°-40°	779.7	18.6
40°-50°	815.9	19.4
50°-60°	711.0	16.9
60°-70°	476.3	11.3
70°-80°	206.4	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°	1170.7	27.9
0°-40°	1950.5	46.4
0°-60°	3477.3	82.8
0°-90°	4199.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4199.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1453	1453	1453	1453	1453	
5°	1451	1450	1449	1449	1450	138
15°	1427	1425	1427	1428	1431	403
25°	1357	1358	1365	1369	1371	626
35°	1236	1240	1252	1254	1252	773
45°	1053	1059	1068	1059	1055	811
55°	804	804	801	792	786	716
65°	486	484	482	477	472	481
75°	185	188	191	190	190	204
85°	30	32	31	31	33	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1452.9	1452.9	1452.9	1452.9	1452.9
2.5°	1454.4	1451.8	1451.3	1451.3	1452.9
5°	1451.3	1449.8	1449.3	1448.7	1449.8
7.5°	1448.2	1446.1	1446.7	1445.6	1446.7
10°	1444.1	1442.0	1442.0	1442.0	1443.5
12.5°	1436.8	1435.2	1435.8	1436.8	1438.9
15°	1427.4	1425.4	1426.9	1428.5	1431.1
17.5°	1414.5	1412.9	1415.5	1418.1	1420.2
20°	1398.9	1397.3	1402.0	1405.6	1407.7
22.5°	1379.7	1379.2	1385.4	1389.5	1391.1
25°	1357.3	1357.9	1365.1	1369.3	1371.4
27.5°	1331.9	1332.9	1342.3	1345.9	1348.0
30°	1303.3	1305.9	1315.8	1318.9	1320.5
32.5°	1271.1	1274.8	1286.7	1288.8	1288.8
35°	1235.8	1240.5	1251.9	1253.5	1252.5
37.5°	1196.4	1201.6	1214.5	1212.5	1210.9
40°	1152.2	1157.9	1170.9	1166.8	1164.2
42.5°	1105.0	1110.7	1122.1	1115.9	1112.3
45°	1053.1	1058.8	1068.1	1059.3	1055.1
47.5°	997.0	1003.7	1008.4	998.5	993.3
50°	937.8	939.9	944.5	933.1	927.4
52.5°	873.4	873.4	877.0	864.6	857.8
55°	804.3	803.8	800.7	791.9	785.6
57.5°	731.1	728.0	725.9	716.6	709.3
60°	652.7	648.0	645.4	637.6	631.9
62.5°	570.7	568.1	565.0	558.7	552.5
65°	486.5	483.9	481.9	477.2	472.5
67.5°	402.9	401.4	401.4	398.3	397.8
70°	322.5	323.5	324.0	324.0	317.3
72.5°	249.8	250.3	252.9	250.8	250.3
75°	184.9	188.0	191.1	189.5	189.5
77.5°	132.9	137.6	137.6	136.6	135.0
80°	89.8	91.9	93.5	92.9	91.9
82.5°	57.1	58.7	57.1	58.2	58.7
85°	29.6	31.7	30.6	31.2	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)