

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: P506314

Luminaire Tested: **22PD-45-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506314
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-L835
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

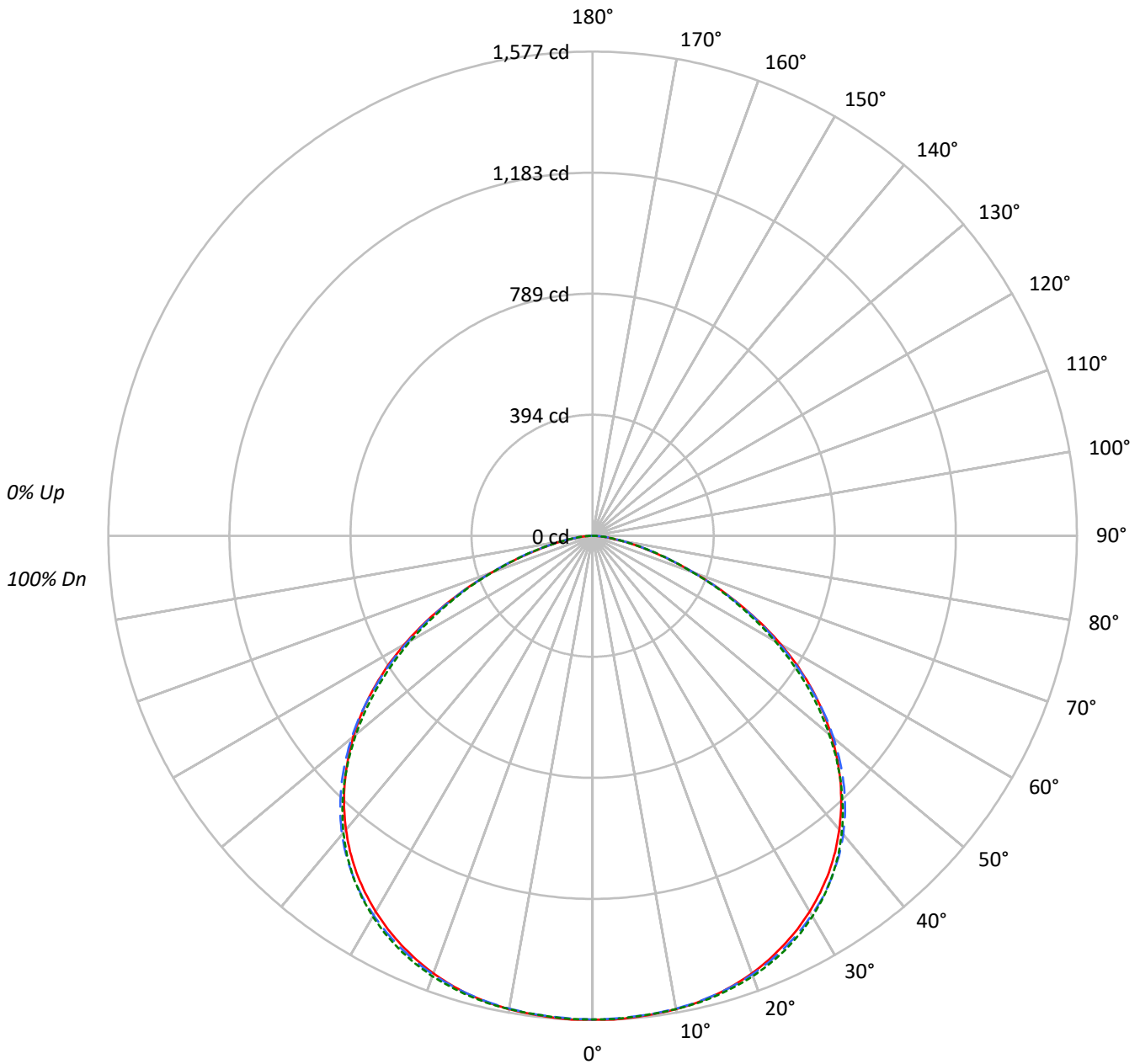
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4554.5 lumens
Efficiency: N/A
Efficacy: 120.5 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

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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°	4240	4240	4240
5°	4252	4246	4247
10°	4279	4273	4278
15°	4313	4311	4324
20°	4344	4354	4372
25°	4371	4396	4416
30°	4392	4434	4450
35°	4403	4460	4462
40°	4390	4461	4435
45°	4346	4408	4355
50°	4258	4288	4210
55°	4092	4074	3997
60°	3809	3767	3688
65°	3359	3328	3263
70°	2751	2765	2707
75°	2085	2154	2137
80°	1509	1571	1545
85°	991	1025	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	3.3
10°-20°	437.6	9.6
20°-30°	682.2	15.0
30°-40°	845.6	18.6
40°-50°	884.8	19.4
50°-60°	771.0	16.9
60°-70°	516.5	11.3
70°-80°	223.9	4.9
80°-90°	43.1	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°	1269.6	27.9
0°-40°	2115.2	46.4
0°-60°	3771.0	82.8
0°-90°	4554.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4554.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1576	1576	1576	1576	1576	
5°	1574	1572	1572	1571	1572	150
15°	1548	1546	1548	1549	1552	437
25°	1472	1473	1480	1485	1487	679
35°	1340	1345	1358	1359	1358	838
45°	1142	1148	1158	1149	1144	879
55°	872	872	868	859	852	777
65°	528	525	523	518	512	522
75°	200	204	207	206	206	221
85°	32	34	33	34	36	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1575.6	1575.6	1575.6	1575.6	1575.6
2.5°	1577.3	1574.5	1573.9	1573.9	1575.6
5°	1573.9	1572.2	1571.7	1571.1	1572.2
7.5°	1570.5	1568.3	1568.9	1567.7	1568.9
10°	1566.0	1563.8	1563.8	1563.8	1565.5
12.5°	1558.2	1556.5	1557.0	1558.2	1560.4
15°	1548.0	1545.8	1547.5	1549.1	1552.0
17.5°	1533.9	1532.3	1535.1	1537.9	1540.1
20°	1517.0	1515.4	1520.4	1524.4	1526.6
22.5°	1496.2	1495.6	1502.4	1506.9	1508.6
25°	1472.0	1472.6	1480.4	1484.9	1487.2
27.5°	1444.4	1445.5	1455.7	1459.6	1461.9
30°	1413.4	1416.2	1426.9	1430.3	1432.0
32.5°	1378.5	1382.5	1395.4	1397.7	1397.7
35°	1340.2	1345.3	1357.7	1359.4	1358.2
37.5°	1297.4	1303.1	1317.1	1314.9	1313.2
40°	1249.6	1255.8	1269.8	1265.3	1262.5
42.5°	1198.3	1204.5	1216.9	1210.1	1206.2
45°	1142.0	1148.2	1158.3	1148.8	1144.3
47.5°	1081.2	1088.5	1093.6	1082.9	1077.2
50°	1017.0	1019.2	1024.3	1011.9	1005.7
52.5°	947.2	947.2	951.1	937.6	930.3
55°	872.3	871.7	868.3	858.8	852.0
57.5°	792.9	789.5	787.2	777.1	769.2
60°	707.8	702.8	700.0	691.5	685.3
62.5°	618.9	616.1	612.7	605.9	599.2
65°	527.6	524.8	522.6	517.5	512.4
67.5°	437.0	435.3	435.3	431.9	431.4
70°	349.7	350.8	351.4	351.4	344.1
72.5°	270.9	271.4	274.2	272.0	271.4
75°	200.5	203.8	207.2	205.5	205.5
77.5°	144.2	149.2	149.2	148.1	146.4
80°	97.4	99.7	101.4	100.8	99.7
82.5°	61.9	63.6	61.9	63.1	63.6
85°	32.1	34.4	33.2	33.8	35.5
87.5°	10.7	11.8	12.4	11.8	11.8
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)