

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: P506315

Luminaire Tested: **22PD-45-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506315
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-L840
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

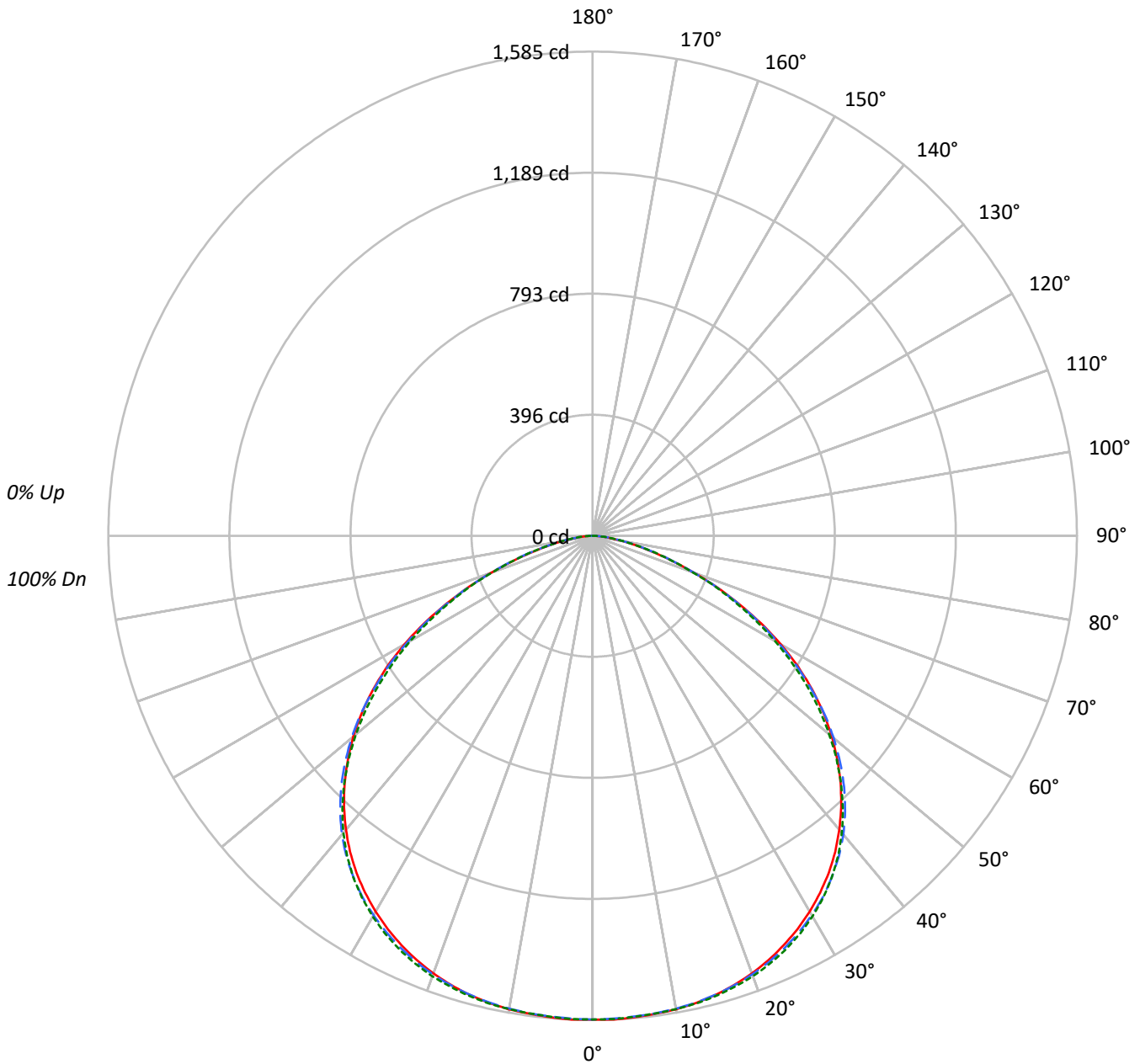
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4577.7 lumens
Efficiency: N/A
Efficacy: 121.1 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				
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			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4261	4261	4261
5°	4273	4267	4269
10°	4301	4295	4299
15°	4335	4333	4345
20°	4366	4376	4394
25°	4393	4418	4438
30°	4414	4456	4472
35°	4425	4483	4484
40°	4412	4483	4457
45°	4368	4431	4377
50°	4279	4310	4232
55°	4113	4094	4017
60°	3829	3786	3707
65°	3377	3344	3279
70°	2766	2779	2721
75°	2095	2166	2148
80°	1517	1579	1553
85°	997	1031	1102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	3.3
10°-20°	439.8	9.6
20°-30°	685.7	15.0
30°-40°	849.9	18.6
40°-50°	889.3	19.4
50°-60°	774.9	16.9
60°-70°	519.1	11.3
70°-80°	225.0	4.9
80°-90°	43.3	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°	1276.1	27.9
0°-40°	2126.0	46.4
0°-60°	3790.2	82.8
0°-90°	4577.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4577.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1584	1584	1584	1584	1584	
5°	1582	1580	1580	1579	1580	151
15°	1556	1554	1555	1557	1560	440
25°	1480	1480	1488	1492	1495	682
35°	1347	1352	1365	1366	1365	842
45°	1148	1154	1164	1155	1150	884
55°	877	876	873	863	856	781
65°	530	528	525	520	515	525
75°	202	205	208	207	207	222
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°	1583.6	1583.6	1583.6	1583.6	1583.6
2.5°	1585.3	1582.5	1581.9	1581.9	1583.6
5°	1581.9	1580.2	1579.6	1579.1	1580.2
7.5°	1578.5	1576.2	1576.8	1575.7	1576.8
10°	1574.0	1571.7	1571.7	1571.7	1573.4
12.5°	1566.1	1564.4	1564.9	1566.1	1568.3
15°	1555.9	1553.6	1555.3	1557.0	1559.8
17.5°	1541.7	1540.0	1542.9	1545.7	1548.0
20°	1524.7	1523.0	1528.1	1532.1	1534.4
22.5°	1503.8	1503.2	1510.0	1514.6	1516.3
25°	1479.5	1480.0	1488.0	1492.5	1494.7
27.5°	1451.7	1452.9	1463.1	1467.0	1469.3
30°	1420.6	1423.4	1434.2	1437.6	1439.3
32.5°	1385.5	1389.5	1402.5	1404.8	1404.8
35°	1347.0	1352.1	1364.6	1366.3	1365.1
37.5°	1304.0	1309.7	1323.8	1321.6	1319.9
40°	1255.9	1262.1	1276.3	1271.8	1268.9
42.5°	1204.4	1210.6	1223.1	1216.3	1212.3
45°	1147.8	1154.0	1164.2	1154.6	1150.1
47.5°	1086.7	1094.0	1099.1	1088.4	1082.7
50°	1022.2	1024.4	1029.5	1017.1	1010.8
52.5°	952.0	952.0	955.9	942.4	935.0
55°	876.7	876.1	872.7	863.1	856.3
57.5°	796.9	793.5	791.2	781.1	773.1
60°	711.4	706.3	703.5	695.0	688.8
62.5°	622.0	619.2	615.8	609.0	602.2
65°	530.3	527.5	525.2	520.1	515.0
67.5°	439.2	437.5	437.5	434.1	433.5
70°	351.5	352.6	353.2	353.2	345.8
72.5°	272.2	272.8	275.6	273.4	272.8
75°	201.5	204.9	208.3	206.6	206.6
77.5°	144.9	150.0	150.0	148.9	147.2
80°	97.9	100.2	101.9	101.3	100.2
82.5°	62.3	64.0	62.3	63.4	64.0
85°	32.3	34.5	33.4	34.0	35.7
87.5°	10.8	11.9	12.5	11.9	11.9
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)