

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: P506341

Luminaire Tested: **22PD-50-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506341
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-L835
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI, 3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

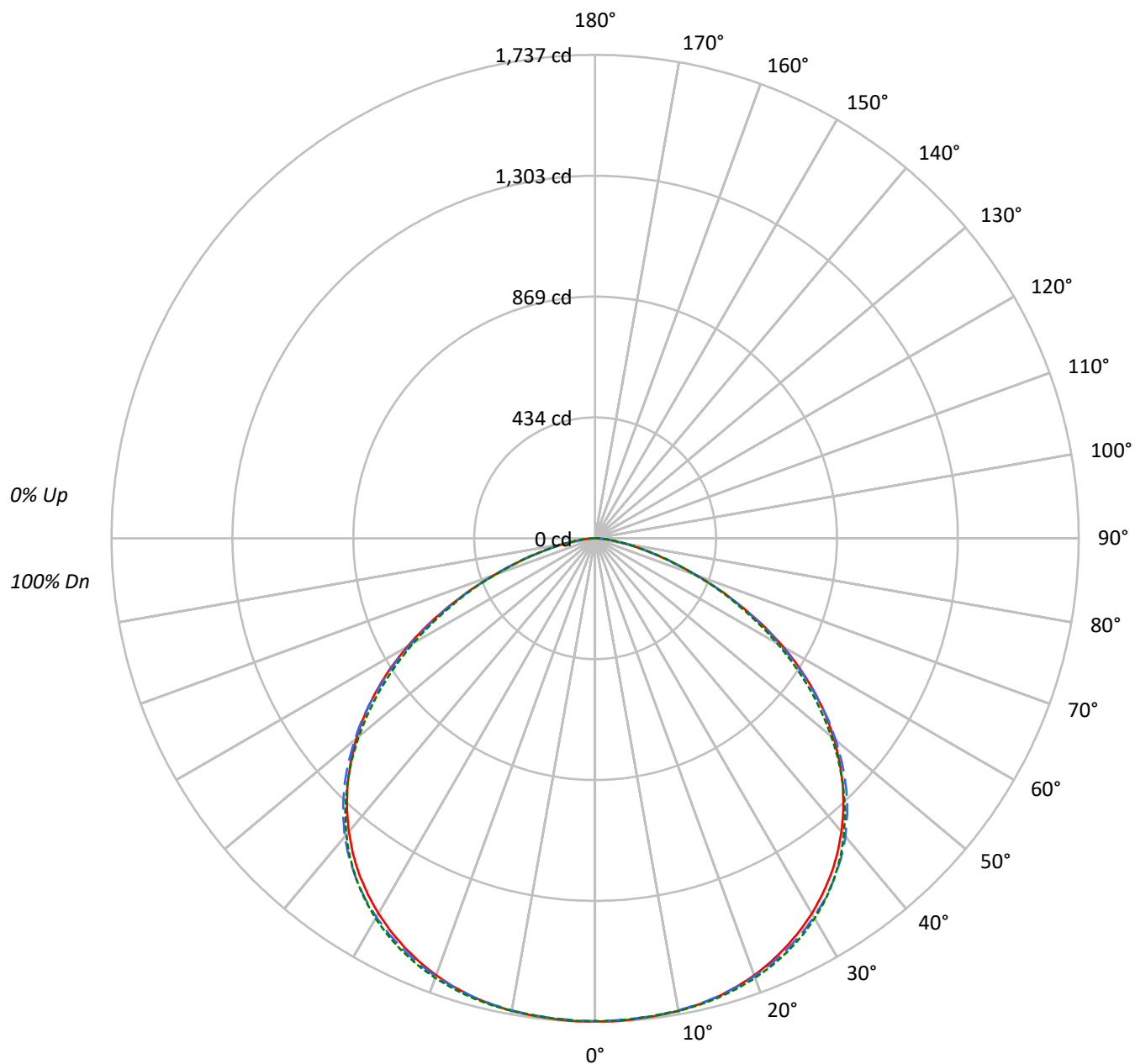
Lumens per Lamp: N/A
Luminaire Lumens: 5015.8 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.9
Input Voltage (V): NR
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	84	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°	4669	4669	4669
5°	4682	4675	4677
10°	4712	4706	4711
15°	4749	4748	4761
20°	4784	4795	4814
25°	4813	4841	4863
30°	4837	4883	4900
35°	4849	4912	4914
40°	4834	4912	4884
45°	4786	4855	4796
50°	4689	4723	4637
55°	4507	4487	4402
60°	4195	4149	4062
65°	3700	3664	3593
70°	3030	3045	2981
75°	2296	2373	2354
80°	1663	1729	1702
85°	1090	1130	1207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	3.3
10°-20°	481.9	9.6
20°-30°	751.3	15.0
30°-40°	931.2	18.6
40°-50°	974.4	19.4
50°-60°	849.1	16.9
60°-70°	568.8	11.3
70°-80°	246.6	4.9
80°-90°	47.5	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
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0°-30°	1398.2	27.9
0°-40°	2329.4	46.4
0°-60°	4153.0	82.8
0°-90°	5015.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5015.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1735	1735	1735	1735	1735	
5°	1733	1732	1731	1730	1732	165
15°	1705	1702	1704	1706	1709	482
25°	1621	1622	1630	1635	1638	748
35°	1476	1482	1495	1497	1496	923
45°	1258	1264	1276	1265	1260	968
55°	961	960	956	946	938	855
65°	581	578	576	570	564	575
75°	221	224	228	226	226	243
85°	35	38	37	37	39	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1735.2	1735.2	1735.2	1735.2	1735.2
2.5°	1737.0	1733.9	1733.3	1733.3	1735.2
5°	1733.3	1731.5	1730.8	1730.2	1731.5
7.5°	1729.6	1727.1	1727.7	1726.5	1727.7
10°	1724.6	1722.2	1722.2	1722.2	1724.0
12.5°	1716.0	1714.1	1714.7	1716.0	1718.4
15°	1704.8	1702.3	1704.2	1706.0	1709.1
17.5°	1689.3	1687.4	1690.5	1693.6	1696.1
20°	1670.7	1668.8	1674.4	1678.8	1681.2
22.5°	1647.7	1647.1	1654.6	1659.5	1661.4
25°	1621.1	1621.7	1630.4	1635.3	1637.8
27.5°	1590.7	1591.9	1603.1	1607.4	1609.9
30°	1556.6	1559.7	1571.5	1575.2	1577.0
32.5°	1518.1	1522.5	1536.7	1539.2	1539.2
35°	1476.0	1481.5	1495.2	1497.0	1495.8
37.5°	1428.8	1435.0	1450.5	1448.1	1446.2
40°	1376.1	1382.9	1398.4	1393.5	1390.4
42.5°	1319.7	1326.5	1340.2	1332.7	1328.4
45°	1257.7	1264.5	1275.7	1265.1	1260.2
47.5°	1190.7	1198.8	1204.3	1192.6	1186.4
50°	1120.0	1122.5	1128.1	1114.4	1107.6
52.5°	1043.1	1043.1	1047.4	1032.6	1024.5
55°	960.6	960.0	956.3	945.7	938.3
57.5°	873.2	869.5	867.0	855.8	847.1
60°	779.5	774.0	770.9	761.5	754.7
62.5°	681.5	678.4	674.7	667.3	659.8
65°	581.1	578.0	575.5	569.9	564.3
67.5°	481.2	479.4	479.4	475.7	475.0
70°	385.1	386.4	387.0	387.0	378.9
72.5°	298.3	298.9	302.0	299.5	298.9
75°	220.8	224.5	228.2	226.4	226.4
77.5°	158.8	164.3	164.3	163.1	161.2
80°	107.3	109.8	111.6	111.0	109.8
82.5°	68.2	70.1	68.2	69.5	70.1
85°	35.3	37.8	36.6	37.2	39.1
87.5°	11.8	13.0	13.6	13.0	13.0
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)