

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: P506332

Luminaire Tested: **22PD-50-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-50-PR1-L835
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

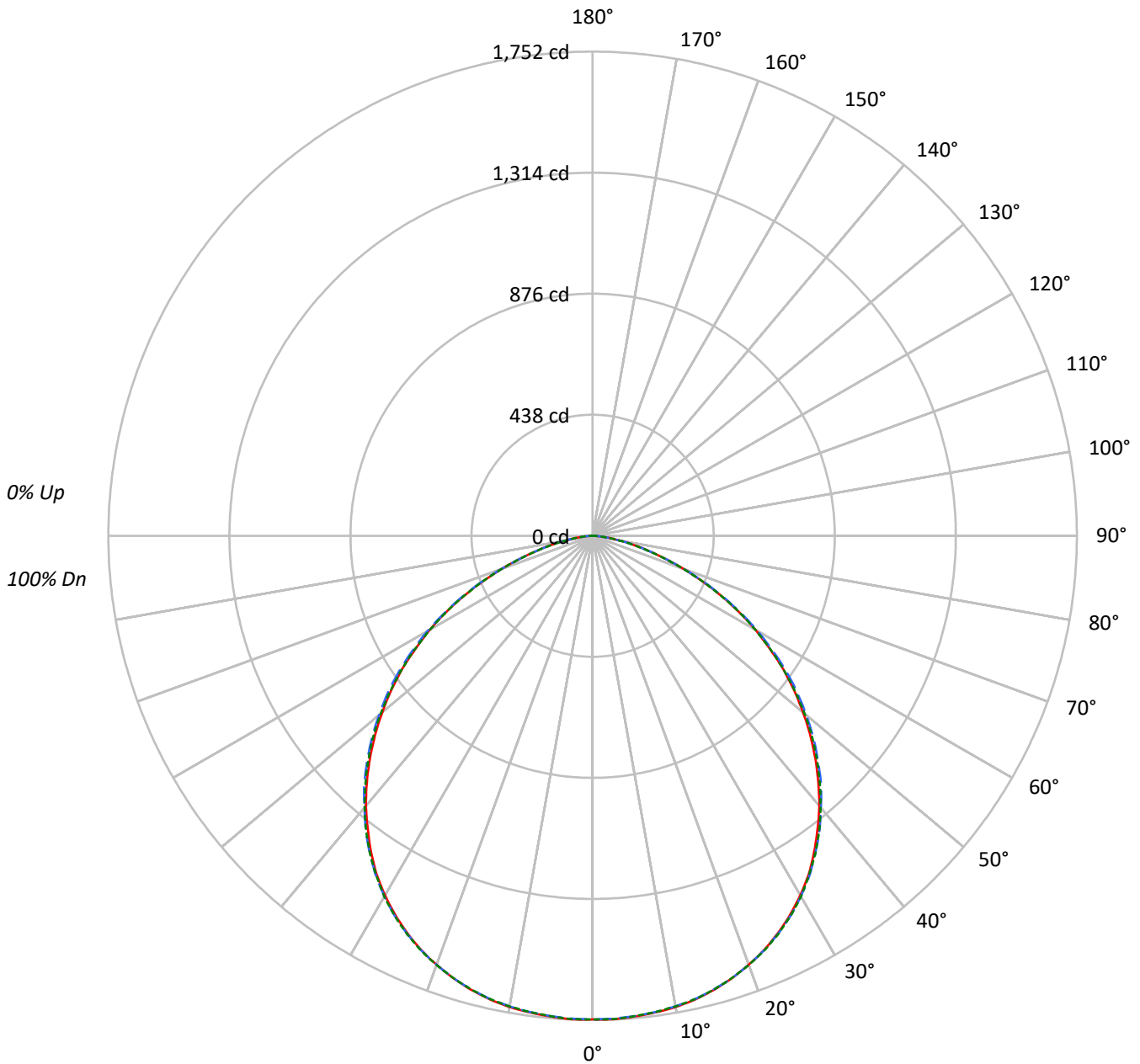
Lumens per Lamp: N/A
Luminaire Lumens: 4677.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4710	4710	4710
5°	4717	4714	4714
10°	4732	4725	4725
15°	4738	4733	4734
20°	4731	4729	4733
25°	4711	4716	4719
30°	4668	4683	4685
35°	4590	4615	4613
40°	4482	4513	4507
45°	4335	4391	4369
50°	4160	4223	4189
55°	3948	4011	3954
60°	3660	3711	3648
65°	3266	3299	3262
70°	2747	2747	2729
75°	2152	2152	2128
80°	1578	1559	1550
85°	1028	1028	1047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.0	3.6
10°-20°	479.6	10.3
20°-30°	731.6	15.6
30°-40°	876.9	18.7
40°-50°	885.6	18.9
50°-60°	757.7	16.2
60°-70°	510.9	10.9
70°-80°	225.4	4.8
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°	1377.3	29.4
0°-40°	2254.2	48.2
0°-60°	3897.4	83.3
0°-90°	4677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4677.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1750	1750	1750	1750	1750	
5°	1746	1744	1745	1744	1745	166
15°	1701	1700	1699	1698	1699	480
25°	1586	1588	1588	1588	1590	731
35°	1397	1405	1405	1404	1404	873
45°	1139	1148	1154	1152	1148	878
55°	842	849	855	854	843	750
65°	513	517	518	517	512	507
75°	207	208	207	208	205	225
85°	33	33	33	34	34	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1750.3	1750.3	1750.3	1750.3	1750.3
2.5°	1751.5	1749.1	1748.5	1748.0	1750.3
5°	1746.2	1743.9	1745.0	1743.9	1745.0
7.5°	1739.8	1737.4	1738.0	1736.8	1738.0
10°	1731.6	1729.2	1729.2	1728.1	1729.2
12.5°	1718.7	1717.0	1716.4	1715.2	1717.0
15°	1700.6	1700.0	1698.8	1698.2	1699.4
17.5°	1678.4	1677.2	1678.4	1676.6	1677.8
20°	1652.0	1652.6	1651.5	1652.0	1652.6
22.5°	1622.2	1622.2	1622.8	1622.8	1624.0
25°	1586.5	1588.3	1588.3	1588.3	1589.5
27.5°	1546.8	1549.1	1550.9	1549.7	1550.9
30°	1502.3	1506.4	1507.0	1506.4	1507.6
32.5°	1454.4	1457.3	1459.1	1457.9	1456.7
35°	1397.1	1405.3	1404.7	1403.5	1404.1
37.5°	1336.8	1345.0	1348.0	1345.6	1346.2
40°	1276.0	1283.0	1284.8	1285.4	1283.0
42.5°	1208.8	1217.0	1223.4	1220.5	1217.0
45°	1139.2	1148.0	1153.8	1152.0	1148.0
47.5°	1067.3	1075.4	1083.6	1080.7	1076.6
50°	993.6	1001.8	1008.8	1007.6	1000.6
52.5°	918.1	927.5	933.9	931.6	922.2
55°	841.5	849.1	855.0	853.8	842.7
57.5°	758.5	768.4	771.3	769.6	761.4
60°	680.1	686.5	689.5	687.1	677.8
62.5°	596.5	601.8	604.1	603.5	597.1
65°	512.9	517.0	518.1	517.0	512.3
67.5°	426.9	432.7	433.3	433.3	428.7
70°	349.1	350.9	349.1	353.8	346.8
72.5°	273.7	274.9	273.7	273.7	270.8
75°	207.0	207.6	207.0	207.6	204.7
77.5°	149.7	150.9	148.5	150.3	147.4
80°	101.8	101.8	100.6	101.2	100.0
82.5°	63.2	64.3	62.6	62.6	62.0
85°	33.3	33.3	33.3	33.9	33.9
87.5°	11.7	11.7	12.3	12.3	11.7
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)