

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: P506334

Luminaire Tested: **22PD-50-PR1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506334
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-L850
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

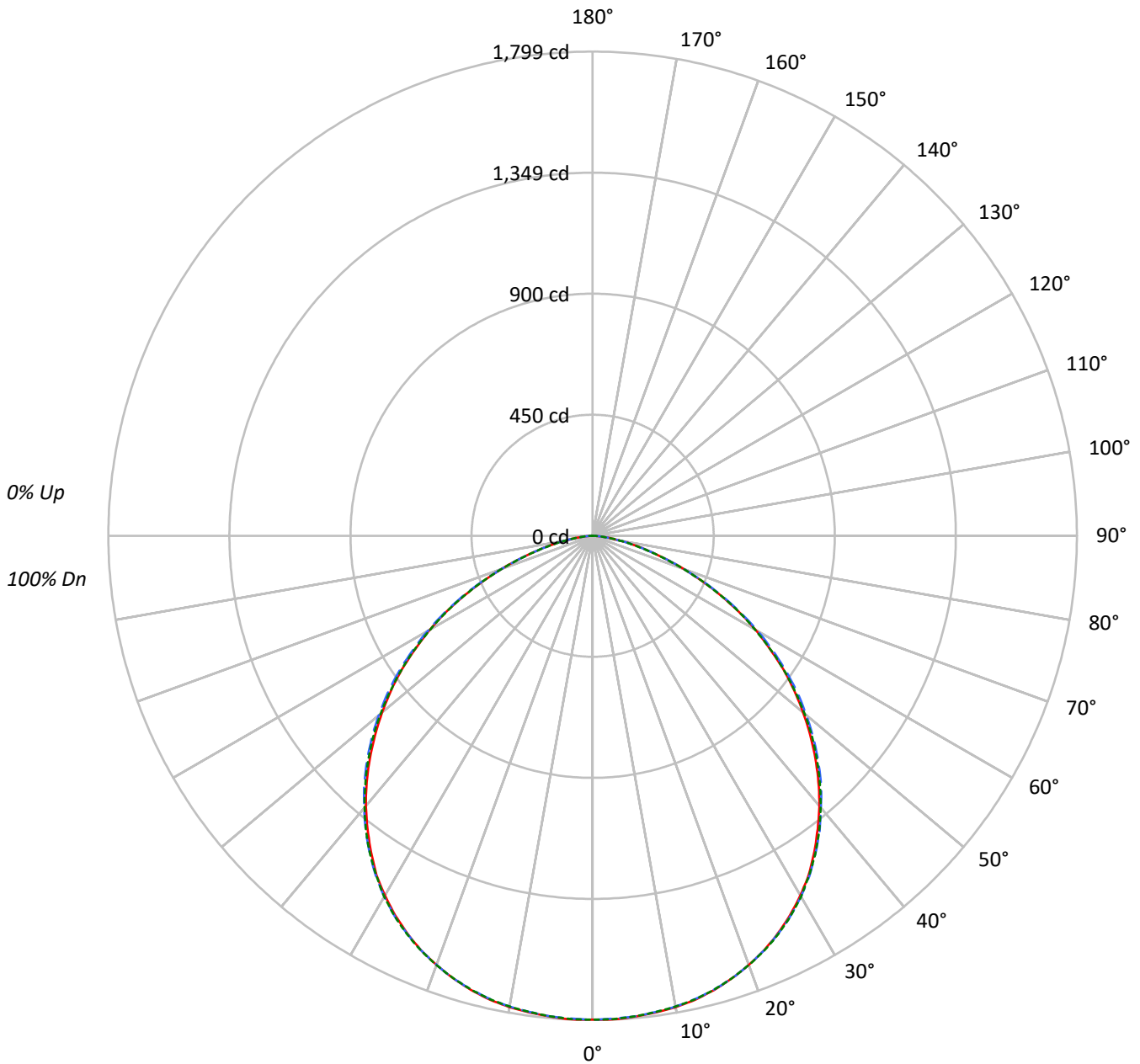
Lumens per Lamp: N/A
Luminaire Lumens: 4804.0 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4838	4838	4838
5°	4845	4842	4842
10°	4860	4853	4853
15°	4866	4861	4863
20°	4859	4858	4861
25°	4839	4844	4847
30°	4795	4810	4812
35°	4714	4740	4738
40°	4604	4636	4630
45°	4453	4510	4487
50°	4272	4338	4303
55°	4055	4120	4061
60°	3760	3812	3747
65°	3354	3389	3351
70°	2821	2821	2803
75°	2210	2210	2185
80°	1619	1601	1592
85°	1056	1056	1074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.5	3.6
10°-20°	492.7	10.3
20°-30°	751.5	15.6
30°-40°	900.7	18.7
40°-50°	909.6	18.9
50°-60°	778.3	16.2
60°-70°	524.8	10.9
70°-80°	231.5	4.8
80°-90°	44.4	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°	1414.7	29.4
0°-40°	2315.4	48.2
0°-60°	4003.2	83.3
0°-90°	4804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4804.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1798	1798	1798	1798	1798	
5°	1794	1791	1792	1791	1792	171
15°	1747	1746	1745	1744	1746	493
25°	1630	1631	1631	1631	1633	751
35°	1435	1443	1443	1442	1442	897
45°	1170	1179	1185	1183	1179	902
55°	864	872	878	877	866	770
65°	527	531	532	531	526	521
75°	213	213	213	213	210	232
85°	34	34	34	35	35	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1797.8	1797.8	1797.8	1797.8	1797.8
2.5°	1799.0	1796.6	1796.0	1795.4	1797.8
5°	1793.6	1791.2	1792.4	1791.2	1792.4
7.5°	1787.0	1784.6	1785.2	1784.0	1785.2
10°	1778.6	1776.2	1776.2	1775.0	1776.2
12.5°	1765.4	1763.6	1763.0	1761.8	1763.6
15°	1746.8	1746.2	1745.0	1744.4	1745.6
17.5°	1723.9	1722.7	1723.9	1722.1	1723.3
20°	1696.9	1697.5	1696.3	1696.9	1697.5
22.5°	1666.3	1666.3	1666.9	1666.9	1668.1
25°	1629.6	1631.4	1631.4	1631.4	1632.6
27.5°	1588.8	1591.2	1593.0	1591.8	1593.0
30°	1543.1	1547.3	1547.9	1547.3	1548.5
32.5°	1493.9	1496.9	1498.7	1497.5	1496.3
35°	1435.0	1443.4	1442.8	1441.6	1442.2
37.5°	1373.1	1381.6	1384.6	1382.2	1382.8
40°	1310.7	1317.9	1319.7	1320.3	1317.9
42.5°	1241.6	1250.0	1256.6	1253.6	1250.0
45°	1170.1	1179.1	1185.1	1183.3	1179.1
47.5°	1096.2	1104.6	1113.1	1110.0	1105.8
50°	1020.5	1029.0	1036.2	1035.0	1027.8
52.5°	943.1	952.7	959.3	956.9	947.3
55°	864.4	872.2	878.2	877.0	865.6
57.5°	779.1	789.3	792.3	790.5	782.1
60°	698.6	705.2	708.2	705.8	696.2
62.5°	612.7	618.1	620.5	619.9	613.3
65°	526.8	531.0	532.2	531.0	526.2
67.5°	438.5	444.5	445.1	445.1	440.3
70°	358.6	360.4	358.6	363.4	356.2
72.5°	281.1	282.3	281.1	281.1	278.1
75°	212.6	213.2	212.6	213.2	210.2
77.5°	153.8	155.0	152.6	154.4	151.4
80°	104.5	104.5	103.3	103.9	102.7
82.5°	64.9	66.1	64.3	64.3	63.7
85°	34.2	34.2	34.2	34.8	34.8
87.5°	12.0	12.0	12.6	12.6	12.0
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)