

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: P506169

Luminaire Tested: **22PD-20-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506169
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-20-PR1-L830
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

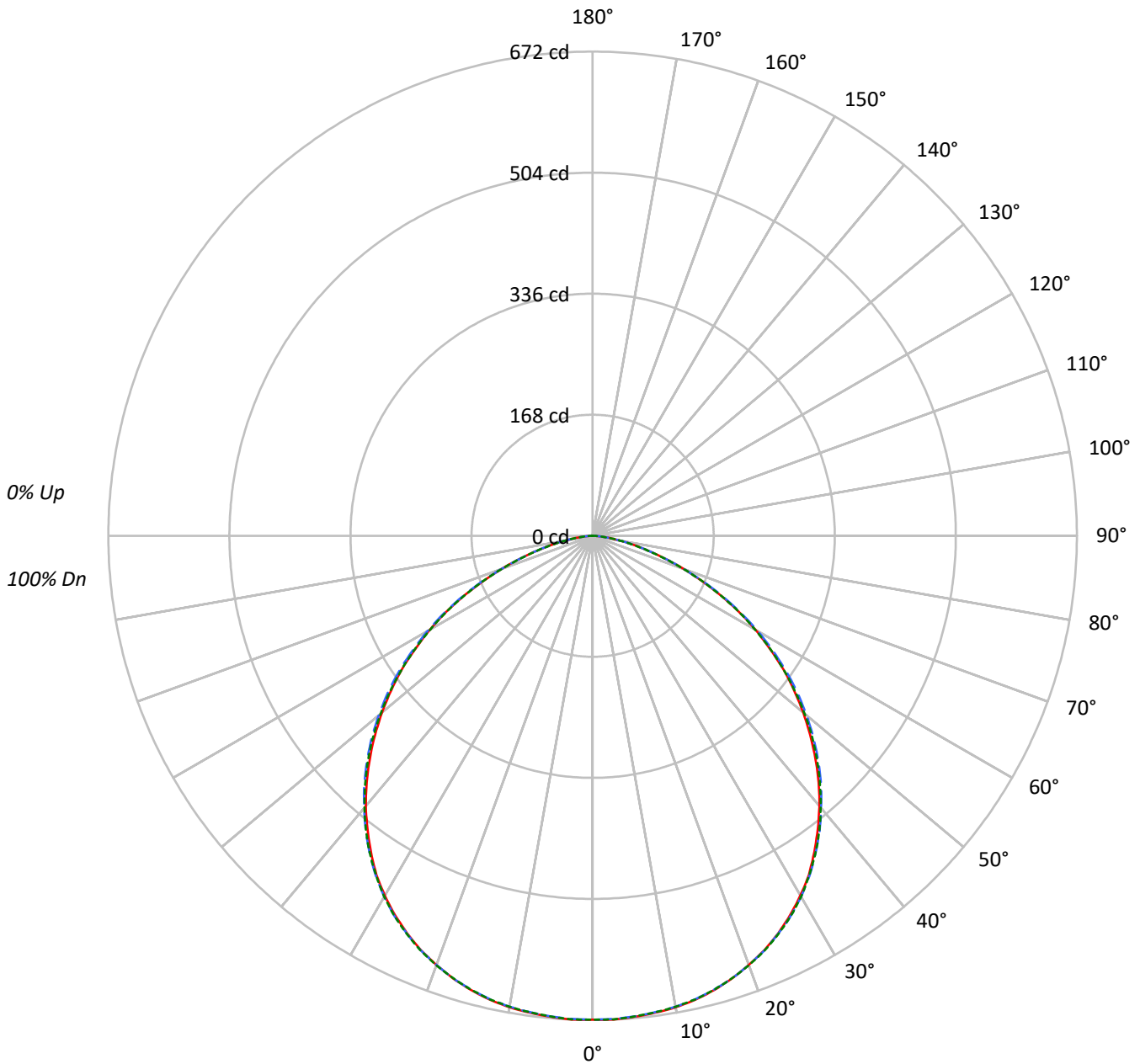
Lumens per Lamp: N/A
Luminaire Lumens: 1795.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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			100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1808	1808	1808
5°	1810	1809	1809
10°	1816	1814	1814
15°	1818	1816	1817
20°	1816	1815	1816
25°	1808	1810	1811
30°	1792	1797	1798
35°	1761	1771	1770
40°	1720	1732	1730
45°	1664	1685	1677
50°	1596	1621	1608
55°	1515	1539	1517
60°	1405	1424	1400
65°	1253	1266	1252
70°	1054	1054	1047
75°	827	827	817
80°	606	598	595
85°	395	395	401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	3.6
10°-20°	184.1	10.3
20°-30°	280.8	15.6
30°-40°	336.5	18.7
40°-50°	339.9	18.9
50°-60°	290.8	16.2
60°-70°	196.1	10.9
70°-80°	86.5	4.8
80°-90°	16.6	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°	528.6	29.4
0°-40°	865.1	48.2
0°-60°	1495.8	83.3
0°-90°	1795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1795.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	672	672	672	672	672	
5°	670	669	670	669	670	64
15°	653	652	652	652	652	184
25°	609	610	610	610	610	280
35°	536	539	539	539	539	335
45°	437	441	443	442	441	337
55°	323	326	328	328	323	288
65°	197	198	199	198	197	194
75°	80	80	80	80	79	87
85°	13	13	13	13	13	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	671.7	671.7	671.7	671.7	671.7
2.5°	672.2	671.3	671.1	670.9	671.7
5°	670.2	669.3	669.7	669.3	669.7
7.5°	667.7	666.8	667.0	666.6	667.0
10°	664.6	663.7	663.7	663.2	663.7
12.5°	659.6	659.0	658.7	658.3	659.0
15°	652.7	652.4	652.0	651.8	652.2
17.5°	644.1	643.7	644.1	643.5	643.9
20°	634.0	634.3	633.8	634.0	634.3
22.5°	622.6	622.6	622.8	622.8	623.3
25°	608.9	609.6	609.6	609.6	610.0
27.5°	593.6	594.5	595.2	594.8	595.2
30°	576.6	578.2	578.4	578.2	578.6
32.5°	558.2	559.3	560.0	559.5	559.1
35°	536.2	539.3	539.1	538.7	538.9
37.5°	513.1	516.2	517.3	516.4	516.7
40°	489.7	492.4	493.1	493.3	492.4
42.5°	463.9	467.1	469.5	468.4	467.1
45°	437.2	440.6	442.8	442.1	440.6
47.5°	409.6	412.7	415.9	414.8	413.2
50°	381.3	384.5	387.2	386.7	384.0
52.5°	352.4	356.0	358.4	357.5	353.9
55°	323.0	325.9	328.1	327.7	323.4
57.5°	291.1	294.9	296.0	295.4	292.2
60°	261.0	263.5	264.6	263.7	260.1
62.5°	228.9	230.9	231.8	231.6	229.2
65°	196.8	198.4	198.9	198.4	196.6
67.5°	163.8	166.1	166.3	166.3	164.5
70°	134.0	134.7	134.0	135.8	133.1
72.5°	105.0	105.5	105.0	105.0	103.9
75°	79.5	79.7	79.5	79.7	78.6
77.5°	57.5	57.9	57.0	57.7	56.6
80°	39.1	39.1	38.6	38.8	38.4
82.5°	24.2	24.7	24.0	24.0	23.8
85°	12.8	12.8	12.8	13.0	13.0
87.5°	4.5	4.5	4.7	4.7	4.5
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)