

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: P506224

Luminaire Tested: **22PD-30-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506224
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-30-PR1-L835
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

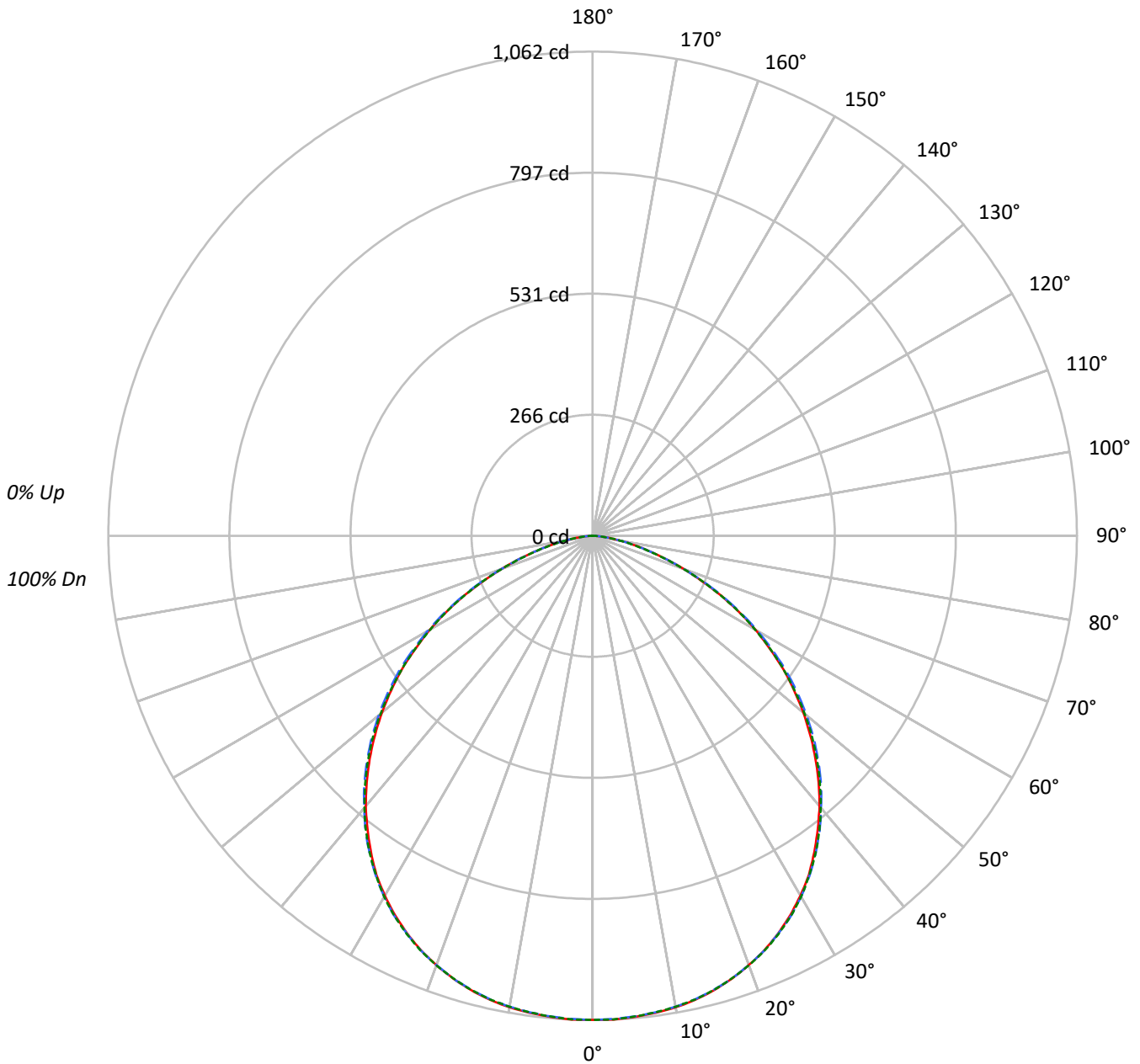
Lumens per Lamp: N/A
Luminaire Lumens: 2837.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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

TEST NUMBER: P506224

CATALOG NUMBER: 22PD-30-PR1-L835

Luminous Intensity Polar Plot





TEST NUMBER: P506224

CATALOG NUMBER: 22PD-30-PR1-L835

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°	2857	2857	2857
5°	2861	2859	2859
10°	2870	2866	2866
15°	2874	2871	2872
20°	2870	2869	2871
25°	2858	2860	2863
30°	2832	2840	2842
35°	2784	2799	2798
40°	2719	2738	2734
45°	2630	2664	2650
50°	2523	2562	2541
55°	2395	2433	2398
60°	2220	2251	2213
65°	1981	2001	1978
70°	1666	1666	1655
75°	1306	1306	1291
80°	956	945	941
85°	624	624	636



TEST NUMBER: P506224

CATALOG NUMBER: 22PD-30-PR1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	3.6
10°-20°	290.9	10.3
20°-30°	443.8	15.6
30°-40°	531.9	18.7
40°-50°	537.2	18.9
50°-60°	459.6	16.2
60°-70°	309.9	10.9
70°-80°	136.7	4.8
80°-90°	26.2	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°	835.5	29.4
0°-40°	1367.3	48.2
0°-60°	2364.1	83.3
0°-90°	2837.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2837.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1062	1062	1062	1062	1062	
5°	1059	1058	1058	1058	1058	101
15°	1032	1031	1030	1030	1031	291
25°	962	963	963	963	964	443
35°	847	852	852	851	852	530
45°	691	696	700	699	696	533
55°	510	515	519	518	511	455
65°	311	314	314	314	311	307
75°	126	126	126	126	124	137
85°	20	20	20	21	21	26
90°	0	0	0	0	0	



TEST NUMBER: P506224

CATALOG NUMBER: 22PD-30-PR1-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1061.7	1061.7	1061.7	1061.7	1061.7
2.5°	1062.4	1061.0	1060.6	1060.3	1061.7
5°	1059.2	1057.8	1058.5	1057.8	1058.5
7.5°	1055.3	1053.9	1054.3	1053.5	1054.3
10°	1050.4	1048.9	1048.9	1048.2	1048.9
12.5°	1042.5	1041.5	1041.1	1040.4	1041.5
15°	1031.5	1031.2	1030.5	1030.1	1030.8
17.5°	1018.1	1017.4	1018.1	1017.0	1017.7
20°	1002.1	1002.5	1001.8	1002.1	1002.5
22.5°	984.0	984.0	984.4	984.4	985.1
25°	962.4	963.4	963.4	963.4	964.2
27.5°	938.3	939.7	940.7	940.0	940.7
30°	911.3	913.8	914.1	913.8	914.5
32.5°	882.2	884.0	885.0	884.3	883.6
35°	847.4	852.4	852.1	851.3	851.7
37.5°	810.9	815.9	817.6	816.2	816.6
40°	774.0	778.3	779.3	779.7	778.3
42.5°	733.2	738.2	742.1	740.3	738.2
45°	691.0	696.3	699.9	698.8	696.3
47.5°	647.4	652.3	657.3	655.5	653.1
50°	602.7	607.6	611.9	611.2	606.9
52.5°	556.9	562.6	566.5	565.1	559.4
55°	510.5	515.1	518.6	517.9	511.2
57.5°	460.1	466.1	467.9	466.8	461.9
60°	412.5	416.5	418.2	416.8	411.1
62.5°	361.8	365.0	366.4	366.1	362.2
65°	311.1	313.6	314.3	313.6	310.7
67.5°	259.0	262.5	262.9	262.9	260.0
70°	211.8	212.8	211.8	214.6	210.4
72.5°	166.0	166.7	166.0	166.0	164.2
75°	125.6	125.9	125.6	125.9	124.2
77.5°	90.8	91.5	90.1	91.2	89.4
80°	61.7	61.7	61.0	61.4	60.7
82.5°	38.3	39.0	38.0	38.0	37.6
85°	20.2	20.2	20.2	20.6	20.6
87.5°	7.1	7.1	7.4	7.4	7.1
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)