

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: P506220

Luminaire Tested: **22PD-30-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-30-PL1-L935
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

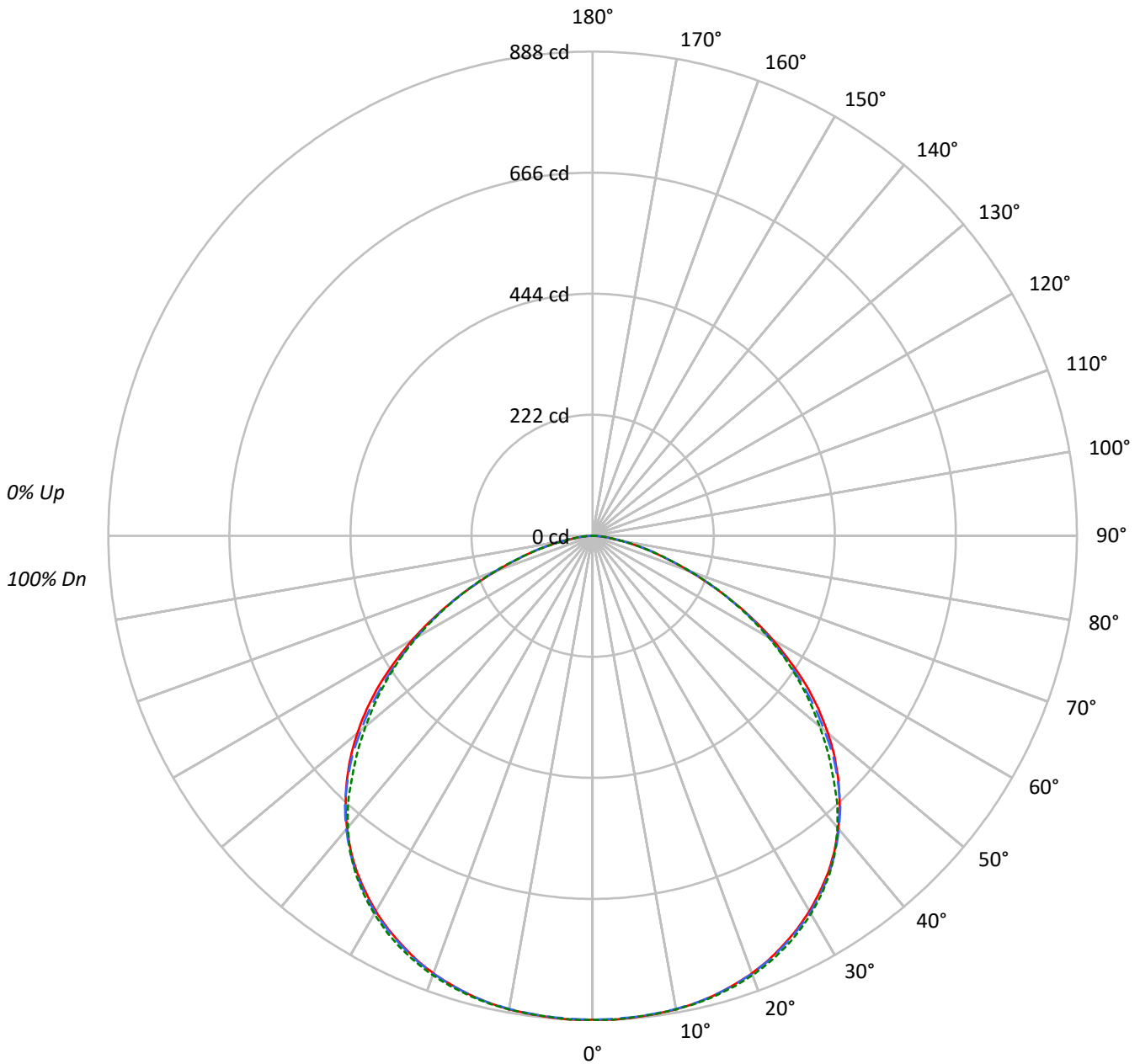
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2514.2 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
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: P506220
CATALOG NUMBER: 22PD-30-PL1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P506220

CATALOG NUMBER: 22PD-30-PL1-L935

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	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2389	2389	2389
5°	2395	2393	2394
10°	2410	2408	2410
15°	2428	2428	2433
20°	2445	2448	2456
25°	2458	2464	2476
30°	2471	2478	2488
35°	2474	2483	2488
40°	2461	2468	2453
45°	2426	2419	2371
50°	2358	2321	2274
55°	2244	2186	2161
60°	2054	2015	2003
65°	1791	1787	1781
70°	1468	1493	1488
75°	1163	1183	1163
80°	852	848	843
85°	568	559	599



TEST NUMBER: P506220

CATALOG NUMBER: 22PD-30-PL1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	3.4
10°-20°	246.3	9.8
20°-30°	382.8	15.2
30°-40°	471.9	18.8
40°-50°	487.5	19.4
50°-60°	417.1	16.6
60°-70°	278.4	11.1
70°-80°	122.2	4.9
80°-90°	23.6	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°	713.5	28.4
0°-40°	1185.4	47.1
0°-60°	2090.0	83.1
0°-90°	2514.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2514.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	887	885	886	885	886	84
15°	871	870	871	872	873	246
25°	828	828	830	832	834	382
35°	753	753	756	757	757	471
45°	638	637	636	630	623	491
55°	478	472	466	464	461	425
65°	281	281	281	282	280	279
75°	112	111	114	113	112	121
85°	18	18	18	19	19	24
90°	0	0	0	0	0	



TEST NUMBER: P506220

CATALOG NUMBER: 22PD-30-PL1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	887.6	887.6	887.6	887.6	887.6
2.5°	888.3	887.0	886.7	886.7	888.3
5°	886.7	885.4	885.8	885.1	886.1
7.5°	884.5	883.3	883.6	883.3	884.5
10°	882.0	880.8	881.1	880.8	882.0
12.5°	877.6	876.7	877.3	877.6	878.6
15°	871.4	870.4	871.4	872.0	873.3
17.5°	863.3	862.6	863.6	864.5	866.1
20°	853.9	853.2	854.8	855.7	857.6
22.5°	842.3	841.7	843.2	845.4	846.7
25°	827.9	827.9	829.8	832.3	833.9
27.5°	812.6	812.3	814.5	817.0	818.6
30°	795.1	794.5	797.6	799.8	800.7
32.5°	774.8	775.1	777.9	780.1	780.4
35°	753.2	753.2	755.7	757.3	757.3
37.5°	728.5	728.2	730.7	731.4	730.4
40°	700.7	701.0	702.6	702.3	698.2
42.5°	670.7	671.0	672.3	667.9	663.8
45°	637.6	637.3	635.7	629.8	622.9
47.5°	602.3	600.7	598.2	589.1	584.1
50°	563.2	560.7	554.5	547.3	543.2
52.5°	522.0	517.6	511.3	505.7	502.3
55°	478.2	472.3	466.0	463.5	460.7
57.5°	429.4	425.7	420.4	419.1	417.2
60°	381.6	377.6	374.4	374.4	372.2
62.5°	331.6	329.1	327.9	328.5	326.3
65°	281.3	280.7	280.7	281.6	279.7
67.5°	232.5	233.8	233.5	236.6	234.1
70°	186.6	188.8	189.7	192.8	189.1
72.5°	146.9	147.2	148.5	149.4	147.5
75°	111.9	111.0	113.8	113.1	111.9
77.5°	80.9	80.3	81.3	81.9	80.3
80°	55.0	54.4	54.7	55.6	54.4
82.5°	34.7	34.1	34.1	35.0	34.7
85°	18.4	18.1	18.1	18.8	19.4
87.5°	6.6	6.3	6.6	6.6	6.6
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)