

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: P506205

Luminaire Tested: **22PD-25-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-25-PW1-L830
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

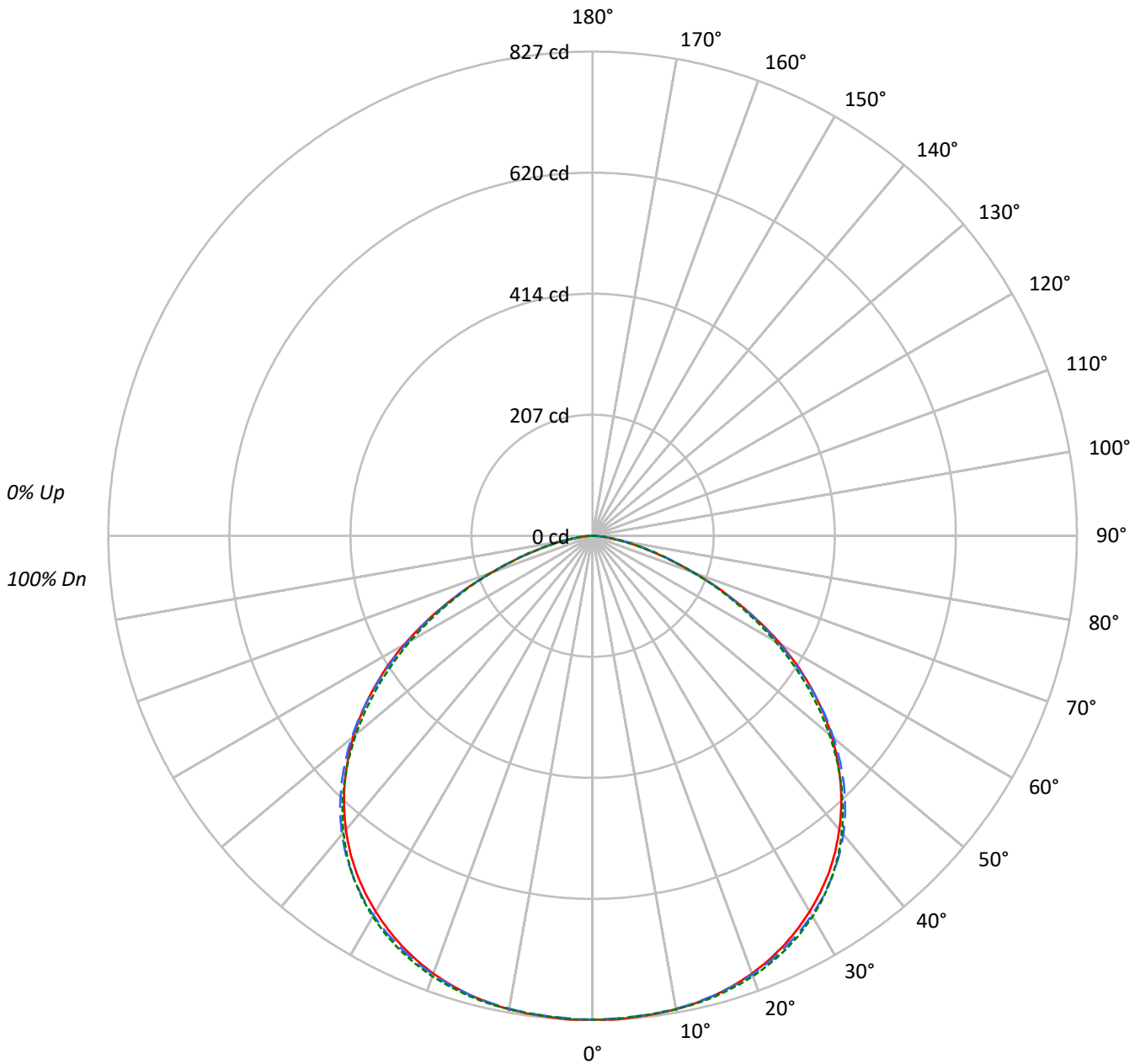
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2388.8 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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

TEST NUMBER: P506205
CATALOG NUMBER: 22PD-25-PW1-L830

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			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2224	2224	2224
5°	2230	2227	2227
10°	2244	2241	2244
15°	2262	2261	2268
20°	2279	2284	2293
25°	2292	2306	2316
30°	2303	2325	2334
35°	2309	2339	2340
40°	2302	2340	2326
45°	2280	2312	2284
50°	2233	2249	2208
55°	2146	2137	2097
60°	1998	1976	1934
65°	1762	1745	1712
70°	1443	1450	1420
75°	1093	1130	1121
80°	792	824	810
85°	519	537	574



TEST NUMBER: P506205
 CATALOG NUMBER: 22PD-25-PW1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	3.3
10°-20°	229.5	9.6
20°-30°	357.8	15.0
30°-40°	443.5	18.6
40°-50°	464.1	19.4
50°-60°	404.4	16.9
60°-70°	270.9	11.3
70°-80°	117.4	4.9
80°-90°	22.6	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°	665.9	27.9
0°-40°	1109.4	46.4
0°-60°	1977.9	82.8
0°-90°	2388.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2388.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	826	826	826	826	826	
5°	826	825	824	824	825	79
15°	812	811	812	812	814	229
25°	772	772	776	779	780	356
35°	703	706	712	713	712	439
45°	599	602	608	602	600	461
55°	458	457	455	450	447	407
65°	277	275	274	271	269	274
75°	105	107	109	108	108	116
85°	17	18	17	18	19	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	826.4	826.4	826.4	826.4	826.4
2.5°	827.3	825.8	825.5	825.5	826.4
5°	825.5	824.6	824.3	824.0	824.6
7.5°	823.7	822.6	822.9	822.3	822.9
10°	821.4	820.2	820.2	820.2	821.1
12.5°	817.2	816.4	816.6	817.2	818.4
15°	811.9	810.7	811.6	812.5	814.0
17.5°	804.5	803.7	805.1	806.6	807.8
20°	795.7	794.8	797.5	799.5	800.7
22.5°	784.8	784.5	788.0	790.4	791.2
25°	772.1	772.3	776.5	778.8	780.0
27.5°	757.6	758.2	763.5	765.6	766.7
30°	741.3	742.8	748.4	750.2	751.1
32.5°	723.0	725.1	731.9	733.1	733.1
35°	702.9	705.6	712.1	713.0	712.4
37.5°	680.5	683.4	690.8	689.6	688.8
40°	655.4	658.6	666.0	663.7	662.2
42.5°	628.5	631.8	638.3	634.7	632.6
45°	599.0	602.2	607.5	602.5	600.2
47.5°	567.1	570.9	573.6	568.0	565.0
50°	533.4	534.6	537.2	530.7	527.5
52.5°	496.8	496.8	498.9	491.8	487.9
55°	457.5	457.2	455.4	450.4	446.9
57.5°	415.9	414.1	412.9	407.6	403.5
60°	371.3	368.6	367.1	362.7	359.4
62.5°	324.6	323.1	321.3	317.8	314.3
65°	276.7	275.3	274.1	271.4	268.8
67.5°	229.2	228.3	228.3	226.5	226.2
70°	183.4	184.0	184.3	184.3	180.5
72.5°	142.1	142.4	143.8	142.7	142.4
75°	105.1	106.9	108.7	107.8	107.8
77.5°	75.6	78.3	78.3	77.7	76.8
80°	51.1	52.3	53.2	52.9	52.3
82.5°	32.5	33.4	32.5	33.1	33.4
85°	16.8	18.0	17.4	17.7	18.6
87.5°	5.6	6.2	6.5	6.2	6.2
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)