

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: P506237

Luminaire Tested: **22PD-30-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506237
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-30-PW1-L930
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

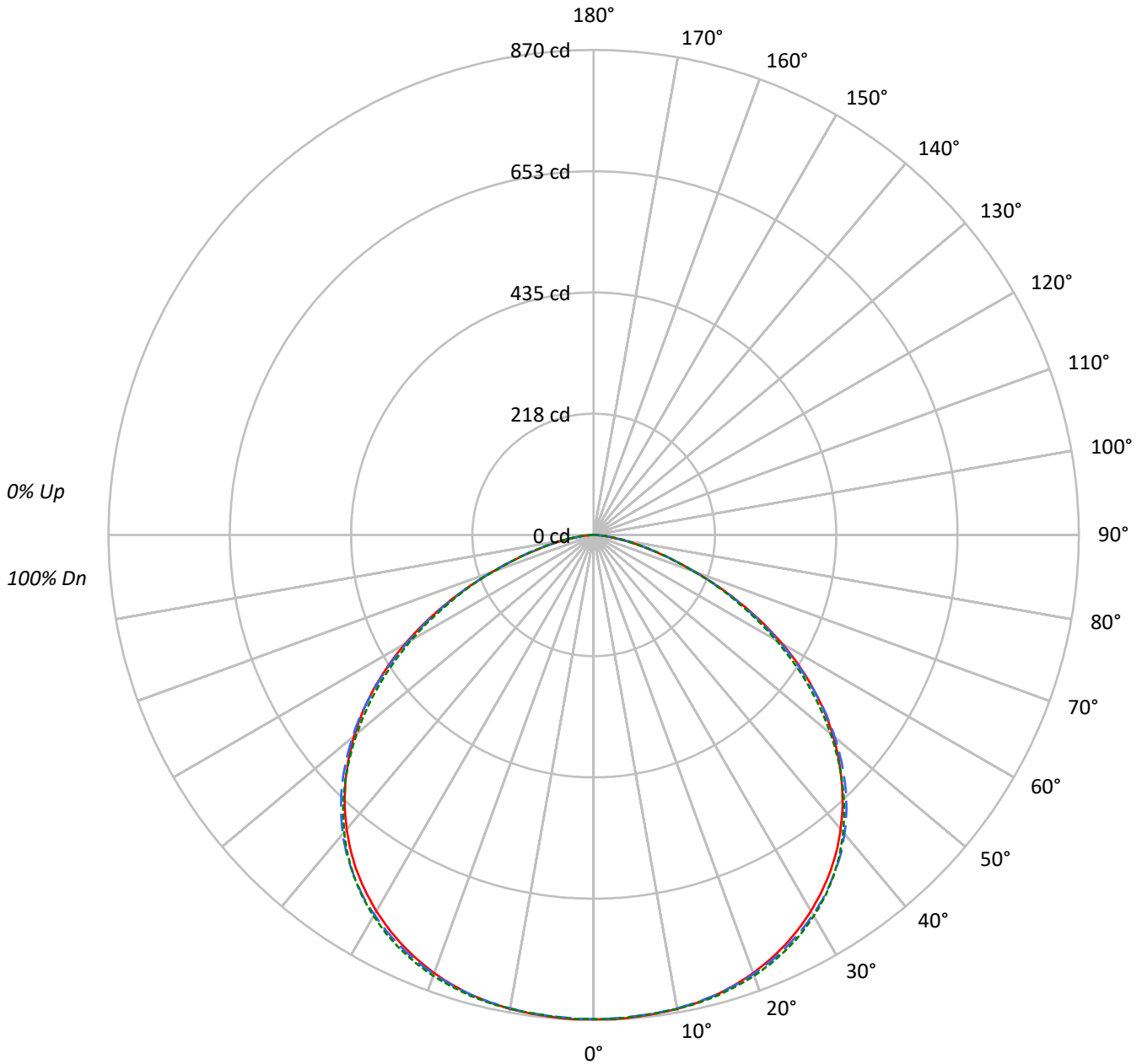
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2511.4 lumens
Efficiency: N/A
Efficacy: 102.1 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): 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

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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			
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°	2338	2338	2338
5°	2344	2341	2342
10°	2360	2356	2359
15°	2378	2377	2384
20°	2395	2401	2411
25°	2410	2424	2435
30°	2422	2445	2454
35°	2428	2459	2461
40°	2420	2460	2446
45°	2396	2431	2401
50°	2348	2364	2322
55°	2257	2246	2204
60°	2101	2077	2034
65°	1852	1835	1799
70°	1517	1525	1493
75°	1149	1188	1178
80°	832	866	852
85°	546	565	605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	3.3
10°-20°	241.3	9.6
20°-30°	376.2	15.0
30°-40°	466.3	18.6
40°-50°	487.9	19.4
50°-60°	425.2	16.9
60°-70°	284.8	11.3
70°-80°	123.5	4.9
80°-90°	23.8	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°	700.1	27.9
0°-40°	1166.4	46.4
0°-60°	2079.4	82.8
0°-90°	2511.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2511.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	868	867	867	866	867	83
15°	854	852	853	854	856	241
25°	812	812	816	819	820	374
35°	739	742	749	750	749	462
45°	630	633	639	633	631	485
55°	481	481	479	474	470	428
65°	291	289	288	285	283	288
75°	110	112	114	113	113	122
85°	18	19	18	19	20	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	868.8	868.8	868.8	868.8	868.8
2.5°	869.7	868.2	867.9	867.9	868.8
5°	867.9	866.9	866.6	866.3	866.9
7.5°	866.0	864.8	865.1	864.5	865.1
10°	863.5	862.3	862.3	862.3	863.2
12.5°	859.2	858.3	858.6	859.2	860.4
15°	853.6	852.4	853.3	854.2	855.8
17.5°	845.8	844.9	846.5	848.0	849.2
20°	836.5	835.6	838.4	840.6	841.8
22.5°	825.0	824.7	828.4	830.9	831.9
25°	811.7	812.0	816.3	818.8	820.1
27.5°	796.5	797.1	802.7	804.8	806.1
30°	779.4	780.9	786.8	788.7	789.6
32.5°	760.1	762.3	769.4	770.7	770.7
35°	739.0	741.8	748.6	749.6	749.0
37.5°	715.4	718.5	726.3	725.0	724.1
40°	689.0	692.4	700.2	697.7	696.2
42.5°	660.8	664.2	671.0	667.3	665.1
45°	629.7	633.1	638.7	633.4	631.0
47.5°	596.2	600.2	603.0	597.1	594.0
50°	560.8	562.0	564.8	558.0	554.6
52.5°	522.3	522.3	524.5	517.0	513.0
55°	481.0	480.7	478.8	473.5	469.8
57.5°	437.2	435.3	434.1	428.5	424.2
60°	390.3	387.5	386.0	381.3	377.9
62.5°	341.3	339.7	337.8	334.1	330.4
65°	290.9	289.4	288.2	285.4	282.6
67.5°	241.0	240.0	240.0	238.2	237.9
70°	192.8	193.4	193.8	193.8	189.7
72.5°	149.4	149.7	151.2	150.0	149.7
75°	110.5	112.4	114.3	113.3	113.3
77.5°	79.5	82.3	82.3	81.7	80.7
80°	53.7	55.0	55.9	55.6	55.0
82.5°	34.2	35.1	34.2	34.8	35.1
85°	17.7	18.9	18.3	18.6	19.6
87.5°	5.9	6.5	6.8	6.5	6.5
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)