

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: P506239

Luminaire Tested: **22PD-30-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506239
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-L940
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

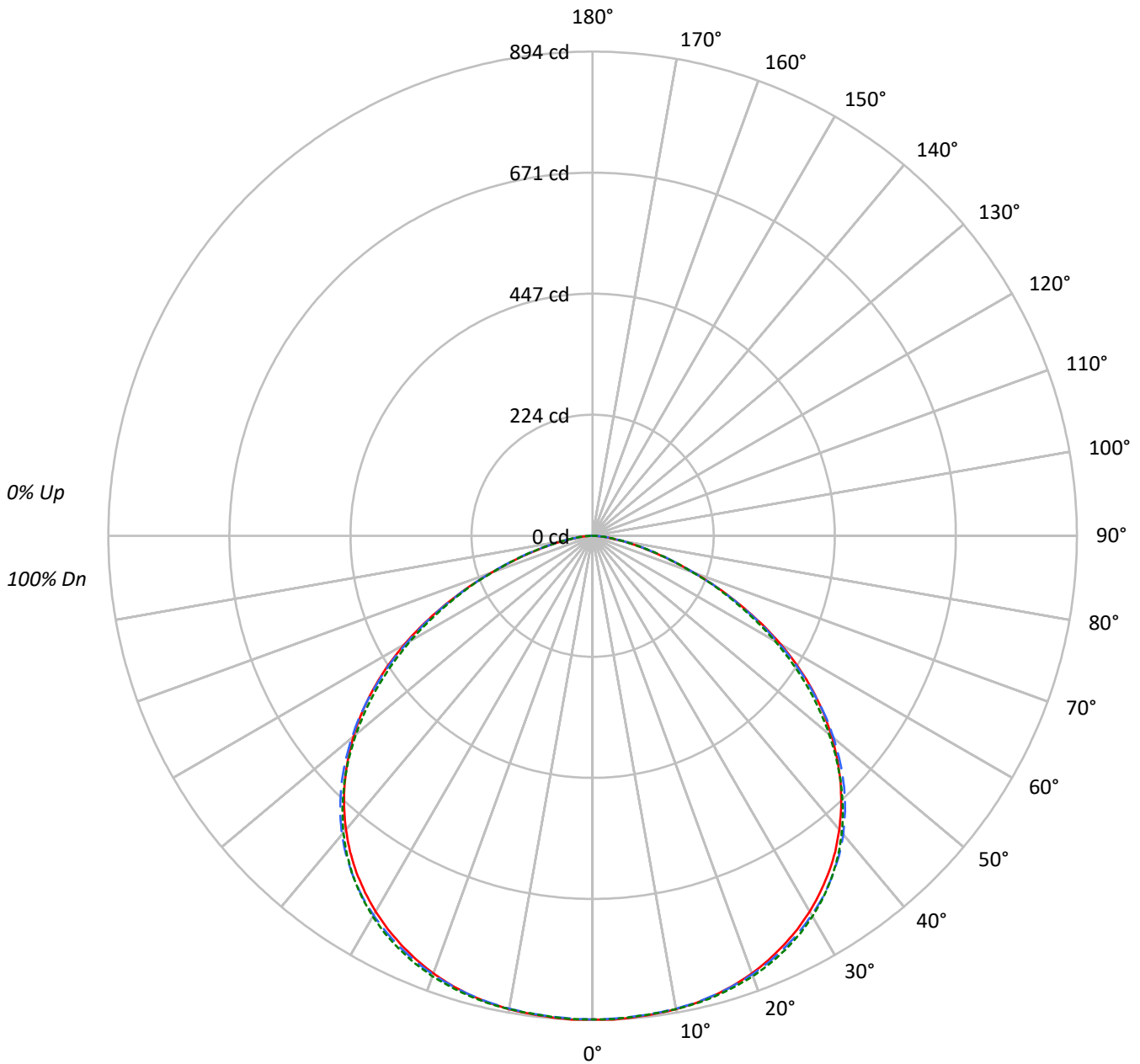
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2581.8 lumens
Efficiency: N/A
Efficacy: 105.0 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): 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°	2403	2403	2403
5°	2410	2407	2407
10°	2426	2422	2425
15°	2445	2444	2451
20°	2462	2468	2478
25°	2477	2492	2503
30°	2490	2513	2522
35°	2496	2528	2529
40°	2488	2529	2514
45°	2464	2499	2468
50°	2413	2431	2387
55°	2320	2309	2266
60°	2159	2136	2091
65°	1904	1886	1850
70°	1559	1567	1534
75°	1181	1222	1211
80°	855	891	876
85°	562	580	621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	3.3
10°-20°	248.1	9.6
20°-30°	386.7	15.0
30°-40°	479.3	18.6
40°-50°	501.6	19.4
50°-60°	437.1	16.9
60°-70°	292.8	11.3
70°-80°	126.9	4.9
80°-90°	24.4	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°	719.7	27.9
0°-40°	1199.0	46.4
0°-60°	2137.6	82.8
0°-90°	2581.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2581.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	893	893	893	893	893	
5°	892	891	891	891	891	85
15°	878	876	877	878	880	248
25°	834	835	839	842	843	385
35°	760	763	770	771	770	475
45°	647	651	657	651	649	499
55°	494	494	492	487	483	440
65°	299	298	296	293	290	296
75°	114	116	118	116	116	125
85°	18	20	19	19	20	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	893.1	893.1	893.1	893.1	893.1
2.5°	894.1	892.5	892.2	892.2	893.1
5°	892.2	891.2	890.9	890.6	891.2
7.5°	890.3	889.0	889.3	888.7	889.3
10°	887.7	886.4	886.4	886.4	887.4
12.5°	883.3	882.3	882.6	883.3	884.5
15°	877.5	876.2	877.2	878.1	879.7
17.5°	869.5	868.6	870.2	871.8	873.0
20°	859.9	859.0	861.9	864.1	865.4
22.5°	848.1	847.8	851.7	854.2	855.2
25°	834.4	834.7	839.2	841.8	843.0
27.5°	818.8	819.4	825.2	827.4	828.7
30°	801.2	802.8	808.9	810.8	811.7
32.5°	781.4	783.7	791.0	792.3	792.3
35°	759.7	762.6	769.6	770.6	769.9
37.5°	735.5	738.7	746.6	745.4	744.4
40°	708.3	711.8	719.8	717.3	715.7
42.5°	679.3	682.8	689.8	686.0	683.7
45°	647.4	650.9	656.6	651.2	648.6
47.5°	612.9	617.0	619.9	613.8	610.6
50°	576.5	577.8	580.6	573.6	570.1
52.5°	536.9	536.9	539.1	531.5	527.3
55°	494.5	494.1	492.2	486.8	483.0
57.5°	449.4	447.5	446.3	440.5	436.0
60°	401.2	398.4	396.8	392.0	388.5
62.5°	350.8	349.2	347.3	343.5	339.6
65°	299.1	297.5	296.2	293.4	290.5
67.5°	247.7	246.7	246.7	244.8	244.5
70°	198.2	198.9	199.2	199.2	195.0
72.5°	153.5	153.9	155.5	154.2	153.9
75°	113.6	115.6	117.5	116.5	116.5
77.5°	81.7	84.6	84.6	84.0	83.0
80°	55.2	56.5	57.5	57.1	56.5
82.5°	35.1	36.1	35.1	35.8	36.1
85°	18.2	19.5	18.8	19.2	20.1
87.5°	6.1	6.7	7.0	6.7	6.7
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)