

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: P506586

Luminaire Tested: **24PD-30-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-30-PW1-L850
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

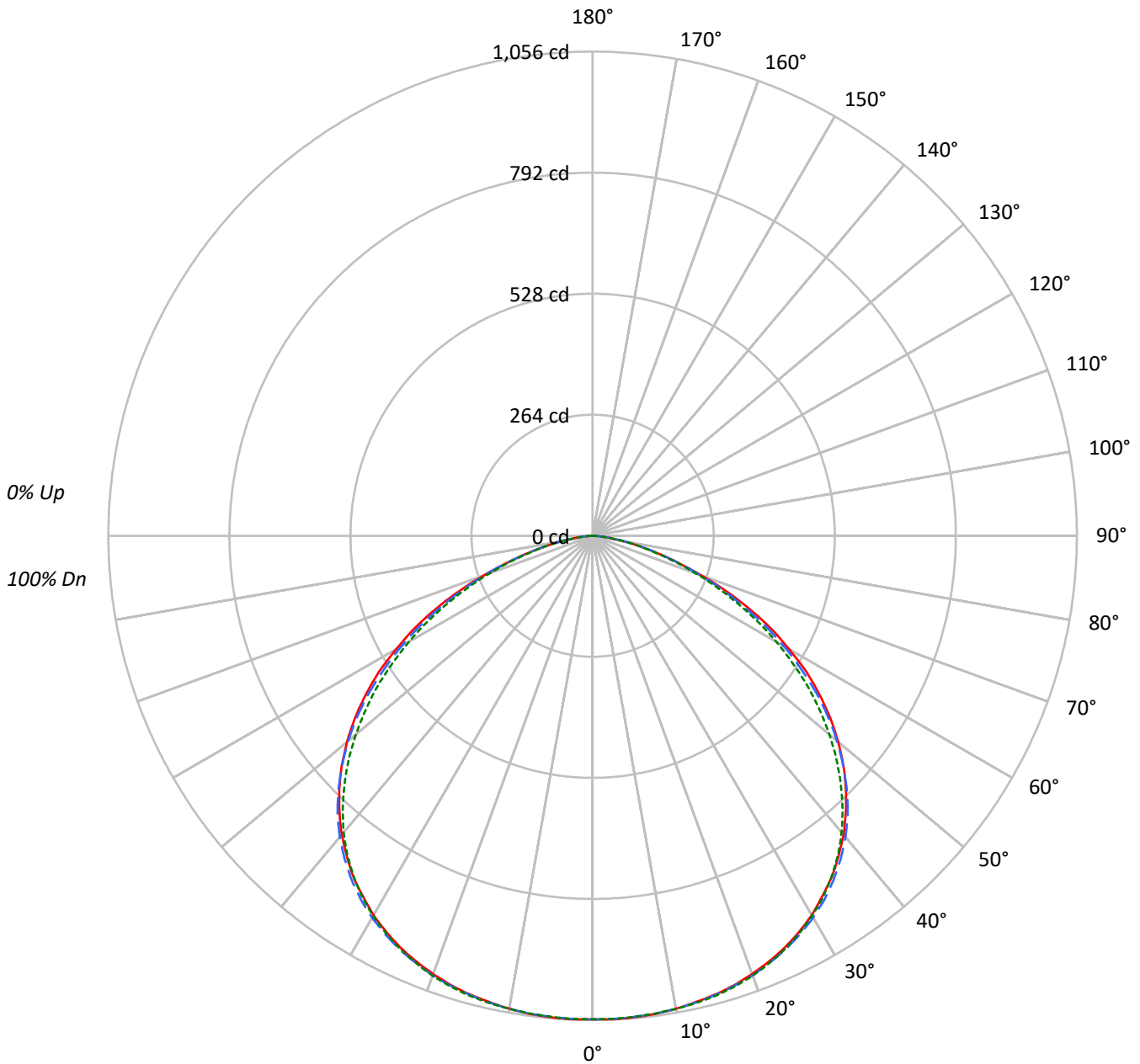
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3092.3 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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									
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1419	1419	1419
5°	1424	1422	1422
10°	1431	1431	1431
15°	1443	1444	1447
20°	1456	1461	1462
25°	1472	1478	1476
30°	1485	1494	1487
35°	1493	1505	1492
40°	1495	1506	1483
45°	1486	1492	1456
50°	1463	1456	1410
55°	1416	1394	1344
60°	1330	1296	1245
65°	1200	1156	1109
70°	989	974	938
75°	756	764	733
80°	525	541	529
85°	313	327	318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	3.2
10°-20°	293.2	9.5
20°-30°	458.5	14.8
30°-40°	570.3	18.4
40°-50°	599.3	19.4
50°-60°	526.0	17.0
60°-70°	358.2	11.6
70°-80°	158.0	5.1
80°-90°	28.5	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°	852.0	27.6
0°-40°	1422.2	46.0
0°-60°	2547.6	82.4
0°-90°	3092.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3092.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1054	1054	1054	1054	1054	
5°	1054	1054	1053	1052	1053	100
15°	1036	1037	1036	1036	1039	293
25°	991	994	996	995	994	457
35°	909	913	916	912	908	568
45°	781	786	784	771	765	602
55°	604	601	594	578	573	538
65°	377	368	363	355	348	371
75°	145	146	147	144	141	159
85°	20	21	21	21	21	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1054.5	1054.5	1054.5	1054.5	1054.5
2.5°	1055.7	1055.1	1054.5	1053.6	1054.5
5°	1054.2	1053.9	1053.0	1051.8	1053.0
7.5°	1051.8	1051.8	1051.0	1050.1	1050.7
10°	1047.4	1048.3	1047.4	1046.5	1047.7
12.5°	1041.5	1043.0	1042.7	1042.7	1043.6
15°	1035.6	1036.8	1036.5	1036.5	1038.6
17.5°	1027.4	1028.9	1029.2	1029.8	1030.9
20°	1017.1	1019.2	1020.3	1020.0	1020.9
22.5°	1005.0	1007.4	1008.3	1008.9	1008.3
25°	991.2	993.8	995.6	995.0	994.1
27.5°	974.4	977.4	979.7	978.2	976.5
30°	955.6	958.2	961.8	959.1	957.3
32.5°	932.3	937.3	940.6	937.3	934.7
35°	909.1	913.2	916.1	911.7	908.2
37.5°	880.8	885.8	888.5	882.3	878.4
40°	851.1	856.1	857.5	849.6	844.6
42.5°	817.2	822.8	823.4	812.2	806.6
45°	781.0	786.0	783.9	771.0	765.1
47.5°	741.9	745.4	741.0	727.7	721.2
50°	698.9	700.9	695.6	680.0	673.8
52.5°	653.5	653.2	646.5	630.9	624.1
55°	603.8	601.4	594.1	578.5	572.9
57.5°	552.9	545.5	537.5	524.3	516.9
60°	494.3	488.7	481.6	468.4	462.8
62.5°	438.9	428.9	423.0	411.3	406.3
65°	376.8	367.7	363.0	355.0	348.3
67.5°	314.4	307.3	304.1	298.5	292.3
70°	251.4	249.3	247.6	242.3	238.5
72.5°	195.8	195.2	194.9	191.9	188.1
75°	145.4	146.3	146.9	144.2	141.0
77.5°	103.6	105.1	104.8	103.3	102.4
80°	67.7	68.9	69.8	68.3	68.3
82.5°	40.9	42.1	41.8	42.4	41.2
85°	20.3	21.2	21.2	20.9	20.6
87.5°	7.4	7.7	7.4	7.7	7.4
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)