

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: P506591

Luminaire Tested: **24PD-30-PW1-L950**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506591
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-L950
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

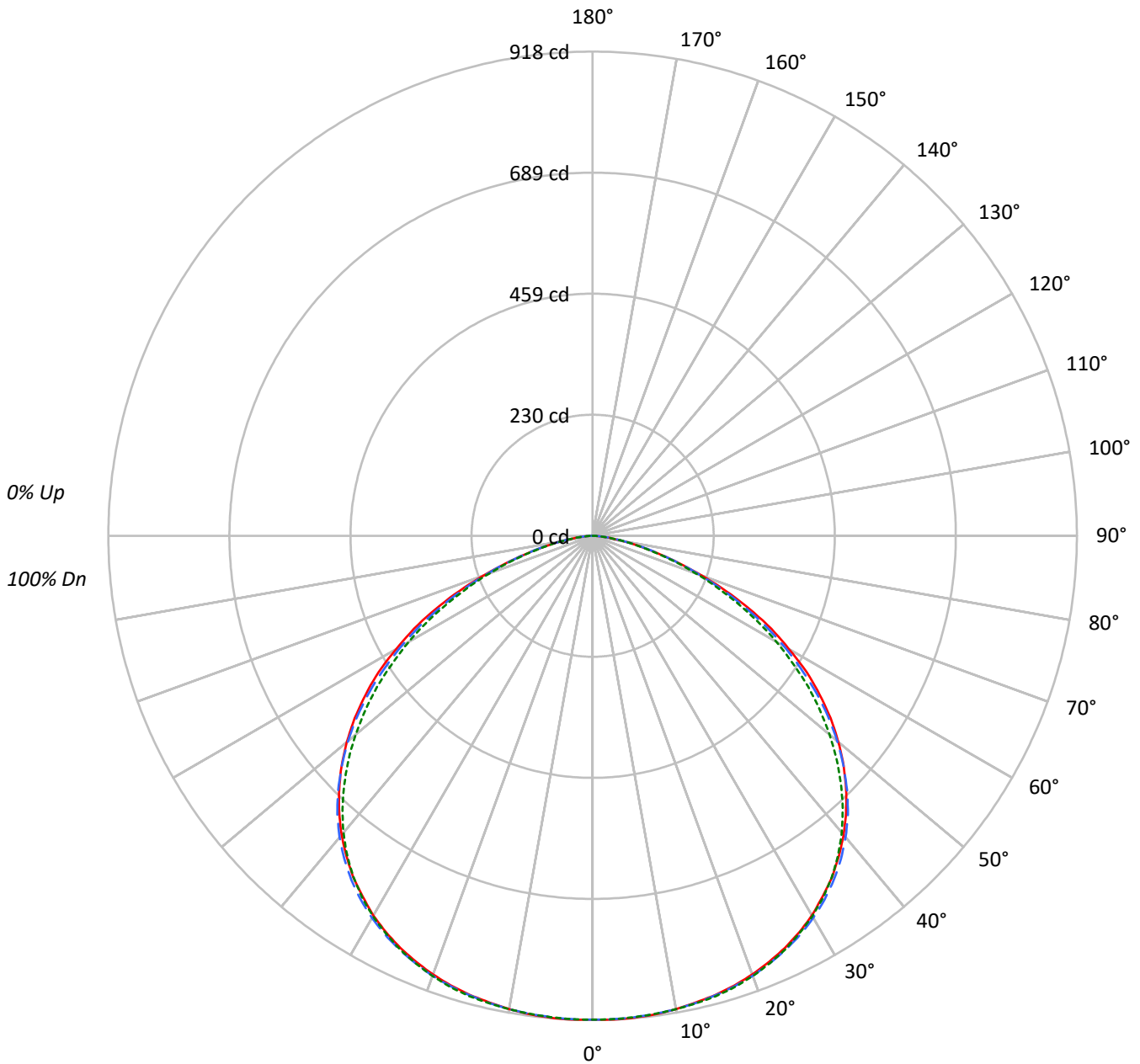
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2690.3 lumens
Efficiency: N/A
Efficacy: 126.3 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°	1234	1234	1234
5°	1239	1237	1237
10°	1245	1245	1245
15°	1255	1256	1259
20°	1267	1271	1272
25°	1280	1286	1284
30°	1292	1300	1294
35°	1299	1309	1298
40°	1300	1310	1291
45°	1293	1298	1267
50°	1273	1267	1227
55°	1232	1212	1169
60°	1157	1128	1083
65°	1044	1005	965
70°	860	847	816
75°	658	664	638
80°	456	470	460
85°	273	284	276



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	3.2
10°-20°	255.0	9.5
20°-30°	398.9	14.8
30°-40°	496.1	18.4
40°-50°	521.4	19.4
50°-60°	457.7	17.0
60°-70°	311.7	11.6
70°-80°	137.5	5.1
80°-90°	24.8	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°	741.2	27.6
0°-40°	1237.4	46.0
0°-60°	2216.4	82.4
0°-90°	2690.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2690.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	917	917	917	917	917	
5°	917	917	916	915	916	87
15°	901	902	902	902	904	255
25°	862	865	866	866	865	398
35°	791	794	797	793	790	494
45°	680	684	682	671	666	523
55°	525	523	517	503	498	468
65°	328	320	316	309	303	323
75°	126	127	128	126	123	138
85°	18	18	18	18	18	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.4	917.4	917.4	917.4	917.4
2.5°	918.4	917.9	917.4	916.6	917.4
5°	917.2	916.9	916.1	915.1	916.1
7.5°	915.1	915.1	914.3	913.6	914.1
10°	911.3	912.0	911.3	910.5	911.5
12.5°	906.1	907.4	907.2	907.2	907.9
15°	901.0	902.0	901.8	901.8	903.6
17.5°	893.8	895.1	895.4	895.9	896.9
20°	884.9	886.7	887.7	887.4	888.2
22.5°	874.4	876.4	877.2	877.7	877.2
25°	862.3	864.6	866.2	865.7	864.9
27.5°	847.7	850.3	852.4	851.1	849.5
30°	831.4	833.7	836.7	834.4	832.9
32.5°	811.1	815.5	818.3	815.5	813.2
35°	790.9	794.5	797.0	793.2	790.1
37.5°	766.3	770.7	773.0	767.6	764.2
40°	740.4	744.8	746.1	739.2	734.8
42.5°	711.0	715.8	716.4	706.6	701.8
45°	679.5	683.8	682.0	670.8	665.6
47.5°	645.4	648.5	644.6	633.1	627.5
50°	608.0	609.8	605.2	591.6	586.2
52.5°	568.6	568.3	562.4	548.9	543.0
55°	525.3	523.2	516.8	503.3	498.4
57.5°	481.0	474.6	467.7	456.1	449.7
60°	430.0	425.2	419.0	407.5	402.6
62.5°	381.9	373.2	368.0	357.8	353.4
65°	327.8	319.9	315.8	308.9	303.0
67.5°	273.5	267.4	264.6	259.7	254.3
70°	218.7	216.9	215.4	210.8	207.5
72.5°	170.3	169.8	169.5	167.0	163.7
75°	126.5	127.3	127.8	125.5	122.7
77.5°	90.2	91.4	91.2	89.9	89.1
80°	58.9	59.9	60.7	59.4	59.4
82.5°	35.6	36.6	36.4	36.9	35.9
85°	17.7	18.4	18.4	18.2	17.9
87.5°	6.4	6.7	6.4	6.7	6.4
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)