

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: P506585

Luminaire Tested: **24PD-30-PW1-L840**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506585
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-L840
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

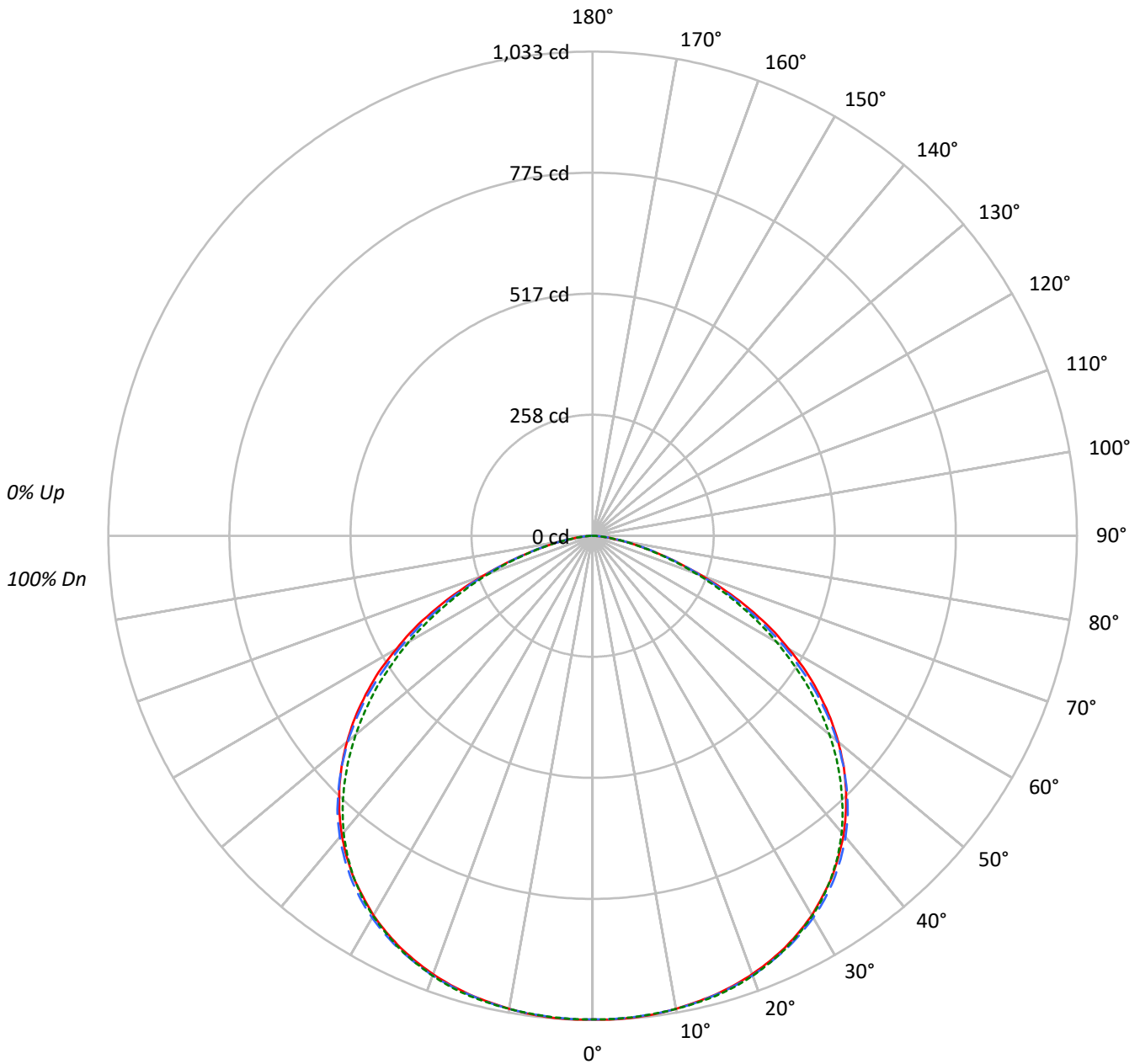
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3026.0 lumens
Efficiency: N/A
Efficacy: 142.1 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°	1388	1388	1388
5°	1393	1392	1392
10°	1400	1400	1401
15°	1412	1413	1416
20°	1425	1430	1430
25°	1440	1446	1444
30°	1453	1462	1455
35°	1461	1473	1460
40°	1463	1474	1452
45°	1454	1460	1425
50°	1432	1425	1380
55°	1386	1364	1315
60°	1302	1268	1218
65°	1174	1131	1085
70°	968	953	918
75°	740	747	717
80°	514	529	518
85°	307	320	312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	3.2
10°-20°	286.9	9.5
20°-30°	448.6	14.8
30°-40°	558.0	18.4
40°-50°	586.4	19.4
50°-60°	514.8	17.0
60°-70°	350.5	11.6
70°-80°	154.6	5.1
80°-90°	27.8	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°	833.7	27.6
0°-40°	1391.7	46.0
0°-60°	2492.9	82.4
0°-90°	3026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3026.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1032	1032	1032	1032	1032	
5°	1032	1031	1030	1029	1030	98
15°	1013	1015	1014	1014	1016	286
25°	970	972	974	974	973	447
35°	890	894	896	892	889	556
45°	764	769	767	754	749	589
55°	591	588	581	566	561	527
65°	369	360	355	347	341	363
75°	142	143	144	141	138	156
85°	20	21	21	20	20	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1031.9	1031.9	1031.9	1031.9	1031.9
2.5°	1033.0	1032.4	1031.9	1031.0	1031.9
5°	1031.6	1031.3	1030.4	1029.3	1030.4
7.5°	1029.3	1029.3	1028.4	1027.5	1028.1
10°	1025.0	1025.8	1025.0	1024.1	1025.2
12.5°	1019.2	1020.6	1020.3	1020.3	1021.2
15°	1013.4	1014.6	1014.3	1014.3	1016.3
17.5°	1005.4	1006.8	1007.1	1007.7	1008.8
20°	995.3	997.3	998.5	998.2	999.0
22.5°	983.5	985.8	986.6	987.2	986.6
25°	969.9	972.5	974.3	973.7	972.8
27.5°	953.5	956.4	958.7	957.3	955.5
30°	935.1	937.7	941.1	938.5	936.8
32.5°	912.3	917.2	920.4	917.2	914.6
35°	889.6	893.6	896.5	892.2	888.7
37.5°	861.9	866.8	869.4	863.3	859.6
40°	832.8	837.7	839.1	831.4	826.5
42.5°	799.7	805.2	805.7	794.8	789.3
45°	764.3	769.1	767.1	754.5	748.7
47.5°	725.9	729.4	725.1	712.1	705.8
50°	683.9	685.9	680.7	665.4	659.4
52.5°	639.5	639.2	632.6	617.3	610.7
55°	590.8	588.5	581.3	566.1	560.6
57.5°	541.0	533.8	526.0	513.1	505.9
60°	483.7	478.2	471.3	458.3	452.8
62.5°	429.5	419.7	414.0	402.4	397.5
65°	368.7	359.8	355.2	347.4	340.8
67.5°	307.7	300.7	297.6	292.1	286.1
70°	246.0	244.0	242.3	237.1	233.3
72.5°	191.6	191.0	190.7	187.8	184.1
75°	142.3	143.2	143.7	141.2	138.0
77.5°	101.4	102.8	102.6	101.1	100.2
80°	66.3	67.4	68.3	66.8	66.8
82.5°	40.0	41.2	40.9	41.5	40.3
85°	19.9	20.7	20.7	20.5	20.2
87.5°	7.2	7.5	7.2	7.5	7.2
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)