

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: P506233

Luminaire Tested: **22PD-30-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506233
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-L835
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

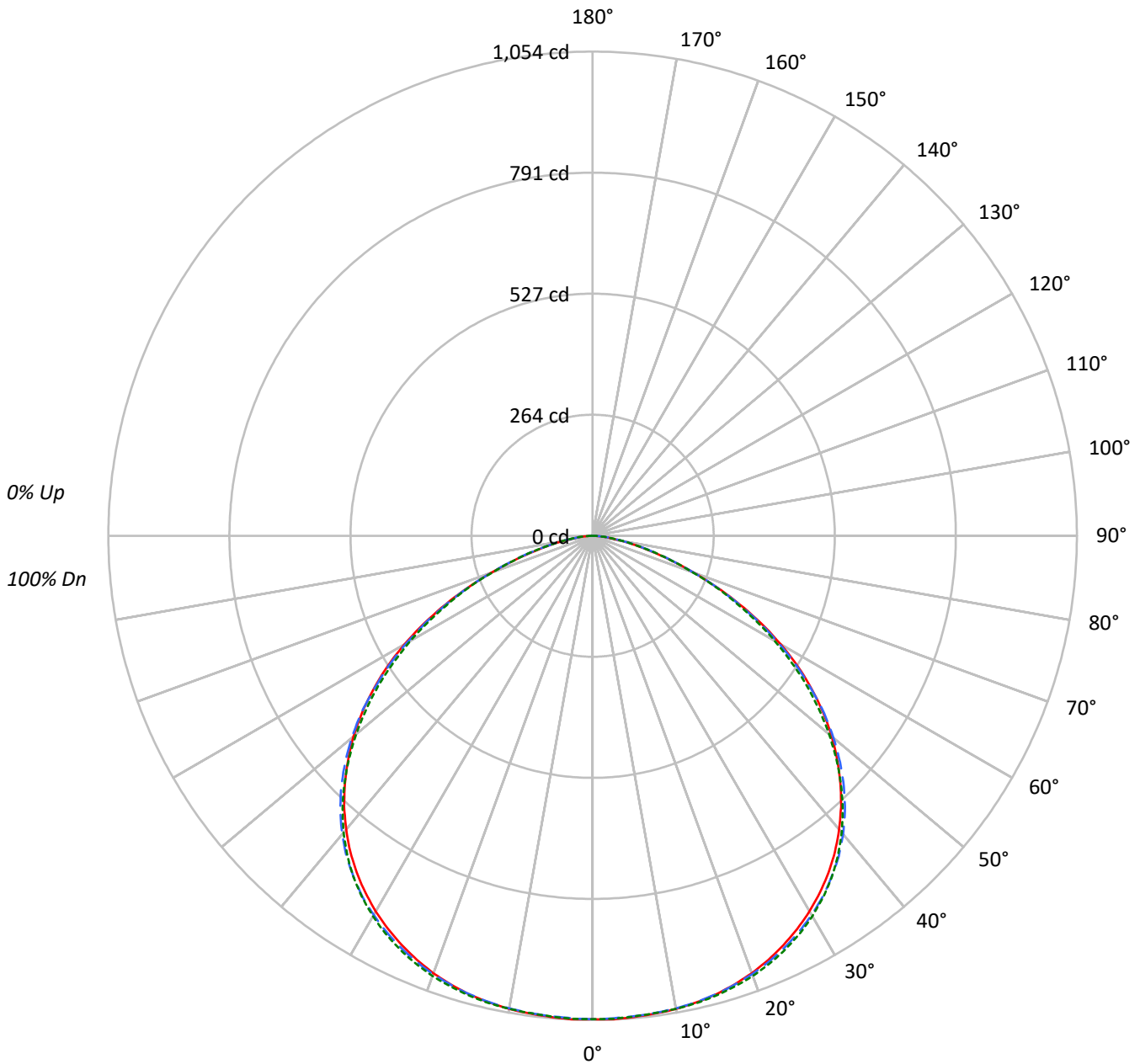
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3042.0 lumens
Efficiency: N/A
Efficacy: 123.7 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				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				100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52				52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39				39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35				35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2832	2832	2832
5°	2840	2836	2837
10°	2858	2854	2857
15°	2880	2880	2888
20°	2902	2908	2920
25°	2919	2936	2949
30°	2934	2962	2972
35°	2941	2979	2980
40°	2932	2979	2962
45°	2903	2944	2909
50°	2844	2864	2812
55°	2733	2721	2670
60°	2545	2516	2463
65°	2244	2222	2180
70°	1838	1847	1808
75°	1392	1439	1428
80°	1009	1049	1032
85°	661	685	732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	3.3
10°-20°	292.3	9.6
20°-30°	455.7	15.0
30°-40°	564.8	18.6
40°-50°	591.0	19.4
50°-60°	515.0	16.9
60°-70°	345.0	11.3
70°-80°	149.5	4.9
80°-90°	28.8	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°	848.0	27.9
0°-40°	1412.8	46.4
0°-60°	2518.7	82.8
0°-90°	3042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1052	1052	1052	1052	1052	
5°	1051	1050	1050	1049	1050	100
15°	1034	1032	1034	1035	1037	292
25°	983	984	989	992	993	453
35°	895	898	907	908	907	560
45°	763	767	774	767	764	587
55°	583	582	580	574	569	519
65°	352	350	349	346	342	349
75°	134	136	138	137	137	148
85°	21	23	22	23	24	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1052.4	1052.4	1052.4	1052.4	1052.4
2.5°	1053.5	1051.6	1051.2	1051.2	1052.4
5°	1051.2	1050.1	1049.7	1049.4	1050.1
7.5°	1049.0	1047.5	1047.9	1047.1	1047.9
10°	1046.0	1044.5	1044.5	1044.5	1045.6
12.5°	1040.7	1039.6	1040.0	1040.7	1042.2
15°	1033.9	1032.4	1033.6	1034.7	1036.6
17.5°	1024.5	1023.4	1025.3	1027.2	1028.7
20°	1013.3	1012.1	1015.5	1018.2	1019.7
22.5°	999.3	999.0	1003.5	1006.5	1007.6
25°	983.2	983.5	988.8	991.8	993.3
27.5°	964.7	965.5	972.3	974.9	976.4
30°	944.1	945.9	953.1	955.3	956.5
32.5°	920.7	923.4	932.0	933.5	933.5
35°	895.2	898.5	906.8	907.9	907.2
37.5°	866.6	870.3	879.7	878.2	877.1
40°	834.6	838.7	848.1	845.1	843.3
42.5°	800.4	804.5	812.8	808.3	805.6
45°	762.8	766.9	773.7	767.3	764.3
47.5°	722.1	727.0	730.4	723.3	719.5
50°	679.3	680.8	684.2	675.9	671.7
52.5°	632.6	632.6	635.3	626.2	621.3
55°	582.6	582.2	580.0	573.6	569.1
57.5°	529.6	527.3	525.8	519.0	513.8
60°	472.8	469.4	467.5	461.9	457.7
62.5°	413.4	411.5	409.2	404.7	400.2
65°	352.4	350.5	349.0	345.7	342.3
67.5°	291.9	290.7	290.7	288.5	288.1
70°	233.6	234.3	234.7	234.7	229.8
72.5°	180.9	181.3	183.2	181.7	181.3
75°	133.9	136.2	138.4	137.3	137.3
77.5°	96.3	99.7	99.7	98.9	97.8
80°	65.1	66.6	67.7	67.3	66.6
82.5°	41.4	42.5	41.4	42.1	42.5
85°	21.4	22.9	22.2	22.6	23.7
87.5°	7.1	7.9	8.3	7.9	7.9
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)