

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: P505881

Luminaire Tested: **14PD-30-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PW1-L830
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

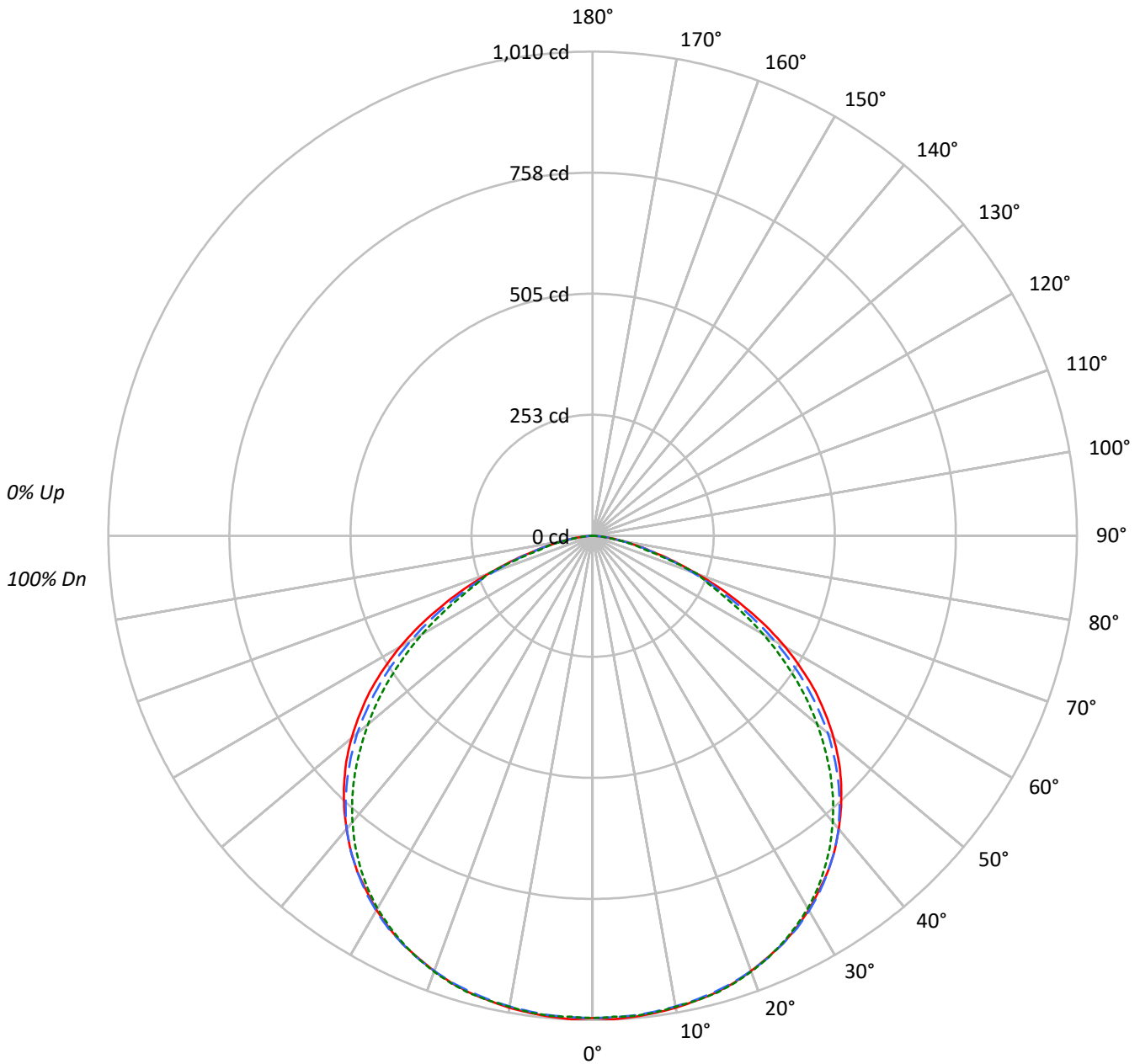
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2865.2 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	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°	2707	2707	2707
5°	2721	2713	2716
10°	2732	2724	2726
15°	2751	2744	2754
20°	2767	2765	2770
25°	2788	2788	2783
30°	2801	2806	2788
35°	2810	2810	2774
40°	2805	2803	2737
45°	2790	2757	2668
50°	2748	2681	2560
55°	2663	2551	2412
60°	2495	2357	2210
65°	2209	2082	1945
70°	1803	1723	1817
75°	1360	1336	1200
80°	978	916	916
85°	614	580	509



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	3.3
10°-20°	278.5	9.7
20°-30°	432.3	15.1
30°-40°	532.5	18.6
40°-50°	554.4	19.3
50°-60°	482.1	16.8
60°-70°	323.9	11.3
70°-80°	140.2	4.9
80°-90°	25.7	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°	806.5	28.1
0°-40°	1338.9	46.7
0°-60°	2375.4	82.9
0°-90°	2865.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2865.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1006	1006	1006	1006	1006	
5°	1007	1001	1004	1007	1006	96
15°	987	980	985	988	988	279
25°	939	934	939	939	937	433
35°	855	853	855	848	844	535
45°	733	731	724	708	701	565
55°	568	557	544	522	514	504
65°	347	341	327	312	305	344
75°	131	132	128	131	115	144
85°	20	20	19	16	16	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1006.0	1006.0	1006.0	1006.0	1006.0
2.5°	1009.5	1003.2	1005.5	1008.9	1004.3
5°	1007.2	1000.9	1004.3	1006.6	1005.5
7.5°	1003.8	999.2	1000.9	1003.2	1002.6
10°	999.8	995.2	996.9	999.2	997.5
12.5°	993.5	988.4	991.8	994.1	993.5
15°	987.3	980.4	985.0	988.4	988.4
17.5°	978.2	972.5	977.0	979.9	979.3
20°	966.2	962.2	965.7	967.9	967.4
22.5°	952.6	949.7	953.7	953.7	953.7
25°	938.9	934.4	938.9	938.9	937.2
27.5°	921.3	917.3	923.0	921.3	918.5
30°	901.4	899.1	903.1	900.3	897.4
32.5°	878.1	876.9	880.9	875.2	873.0
35°	855.3	853.1	855.3	847.9	844.5
37.5°	828.6	826.3	828.6	818.9	813.8
40°	798.5	796.8	797.9	785.4	779.1
42.5°	767.2	765.5	762.6	747.3	742.2
45°	733.1	730.8	724.5	708.0	701.2
47.5°	696.7	692.7	683.6	666.0	656.9
50°	656.3	650.6	640.4	621.0	611.4
52.5°	612.5	605.7	592.6	573.3	564.2
55°	567.6	557.3	543.7	522.1	514.1
57.5°	516.4	505.6	491.4	471.5	462.4
60°	463.5	452.7	437.9	419.7	410.6
62.5°	407.2	397.5	382.7	365.7	357.7
65°	346.9	340.7	327.0	311.7	305.4
67.5°	290.0	283.8	272.4	259.3	261.6
70°	229.2	228.6	219.0	209.9	230.9
72.5°	178.6	177.4	172.3	167.8	166.6
75°	130.8	131.9	128.5	131.4	115.4
77.5°	92.1	93.3	92.7	84.7	88.7
80°	63.1	63.1	59.1	56.3	59.1
82.5°	38.1	45.5	40.9	33.6	32.4
85°	19.9	20.5	18.8	16.5	16.5
87.5°	7.4	8.5	7.4	6.8	6.3
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)