

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: P505866

Luminaire Tested: **14PD-30-PL1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PL1-L850
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

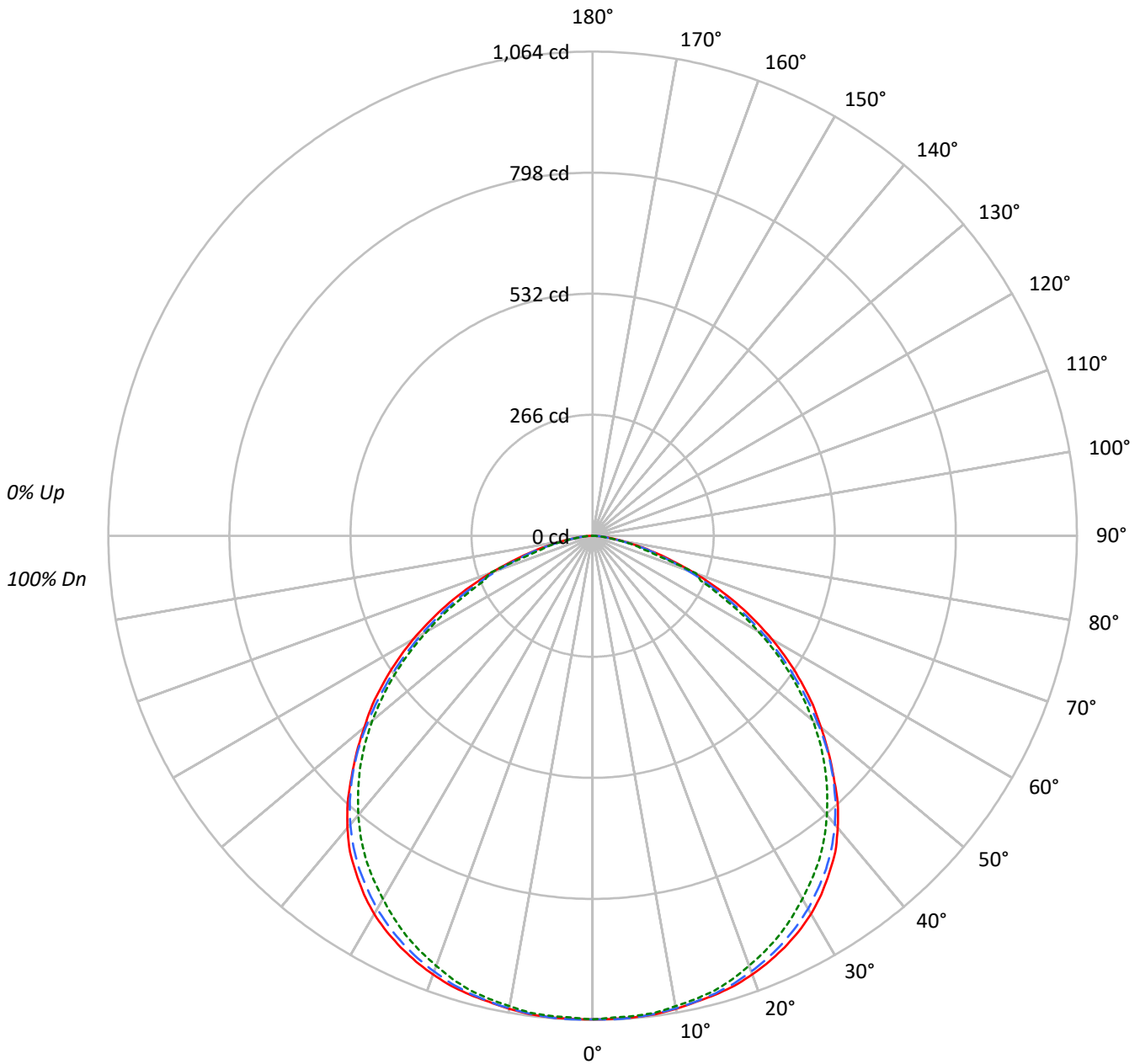
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2953.6 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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

TEST NUMBER: P505866
CATALOG NUMBER: 14PD-30-PL1-L850

Luminous Intensity Polar Plot





TEST NUMBER: P505866

CATALOG NUMBER: 14PD-30-PL1-L850

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72					72			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2860	2860	2860
5°	2869	2871	2861
10°	2885	2881	2869
15°	2908	2900	2883
20°	2938	2918	2879
25°	2963	2934	2878
30°	2983	2941	2863
35°	2975	2937	2853
40°	2944	2909	2813
45°	2849	2841	2750
50°	2741	2717	2643
55°	2623	2546	2489
60°	2450	2340	2261
65°	2207	2070	1958
70°	1846	1731	1901
75°	1457	1402	1213
80°	1049	931	950
85°	667	559	522



TEST NUMBER: P505866

CATALOG NUMBER: 14PD-30-PL1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	3.4
10°-20°	293.7	9.9
20°-30°	454.1	15.4
30°-40°	555.8	18.8
40°-50°	569.8	19.3
50°-60°	485.3	16.4
60°-70°	324.3	11.0
70°-80°	143.7	4.9
80°-90°	26.0	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°	848.8	28.7
0°-40°	1404.6	47.6
0°-60°	2459.6	83.3
0°-90°	2953.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2953.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1063	1063	1063	1063	1063	
5°	1062	1060	1063	1062	1059	101
15°	1044	1040	1041	1038	1035	295
25°	998	994	988	975	969	460
35°	906	903	894	874	868	566
45°	749	751	746	730	722	578
55°	559	556	543	532	530	499
65°	347	344	325	310	308	342
75°	140	142	135	135	117	152
85°	22	21	18	18	17	29
90°	0	0	0	0	0	



TEST NUMBER: P505866

CATALOG NUMBER: 14PD-30-PL1-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1062.7	1062.7	1062.7	1062.7	1062.7
2.5°	1062.7	1060.9	1063.9	1065.0	1059.8
5°	1062.1	1059.8	1062.7	1062.1	1059.2
7.5°	1060.4	1056.3	1059.2	1058.0	1056.9
10°	1055.7	1052.2	1054.5	1052.8	1049.9
12.5°	1049.3	1046.9	1048.7	1046.9	1042.9
15°	1044.0	1040.5	1041.1	1038.2	1034.7
17.5°	1037.0	1031.8	1031.8	1025.9	1021.8
20°	1025.9	1021.3	1018.9	1010.8	1005.5
22.5°	1013.1	1009.6	1004.9	994.4	988.6
25°	997.9	994.4	988.0	975.2	969.3
27.5°	980.4	975.7	968.7	953.6	946.6
30°	960.0	954.2	946.6	929.6	921.5
32.5°	934.9	930.8	920.9	903.4	895.8
35°	905.7	903.4	894.0	874.2	868.4
37.5°	876.0	871.3	863.1	842.1	836.3
40°	838.0	835.1	828.1	807.7	800.7
42.5°	797.2	795.4	789.6	770.3	762.7
45°	748.7	751.1	746.4	729.5	722.5
47.5°	702.6	701.5	699.7	684.5	678.7
50°	654.8	652.4	648.9	636.7	631.4
52.5°	609.8	605.2	595.8	585.3	581.8
55°	559.1	556.2	542.7	531.6	530.5
57.5°	507.7	506.0	489.6	476.8	476.8
60°	455.2	452.9	434.8	421.3	420.2
62.5°	400.3	398.6	379.9	364.7	365.3
65°	346.6	343.7	325.1	310.5	307.5
67.5°	290.6	289.5	271.4	257.9	256.8
70°	234.6	234.6	220.0	208.3	241.6
72.5°	185.0	183.2	171.6	166.3	158.7
75°	140.1	141.8	134.8	135.4	116.7
77.5°	99.8	96.9	94.0	87.5	92.8
80°	67.7	65.9	60.1	58.4	61.3
82.5°	42.0	42.6	37.3	33.8	33.3
85°	21.6	21.0	18.1	17.5	16.9
87.5°	8.2	8.8	7.6	7.0	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)