

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: P505895

Luminaire Tested: **14PD-35-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505895
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-35-PL1-L930
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

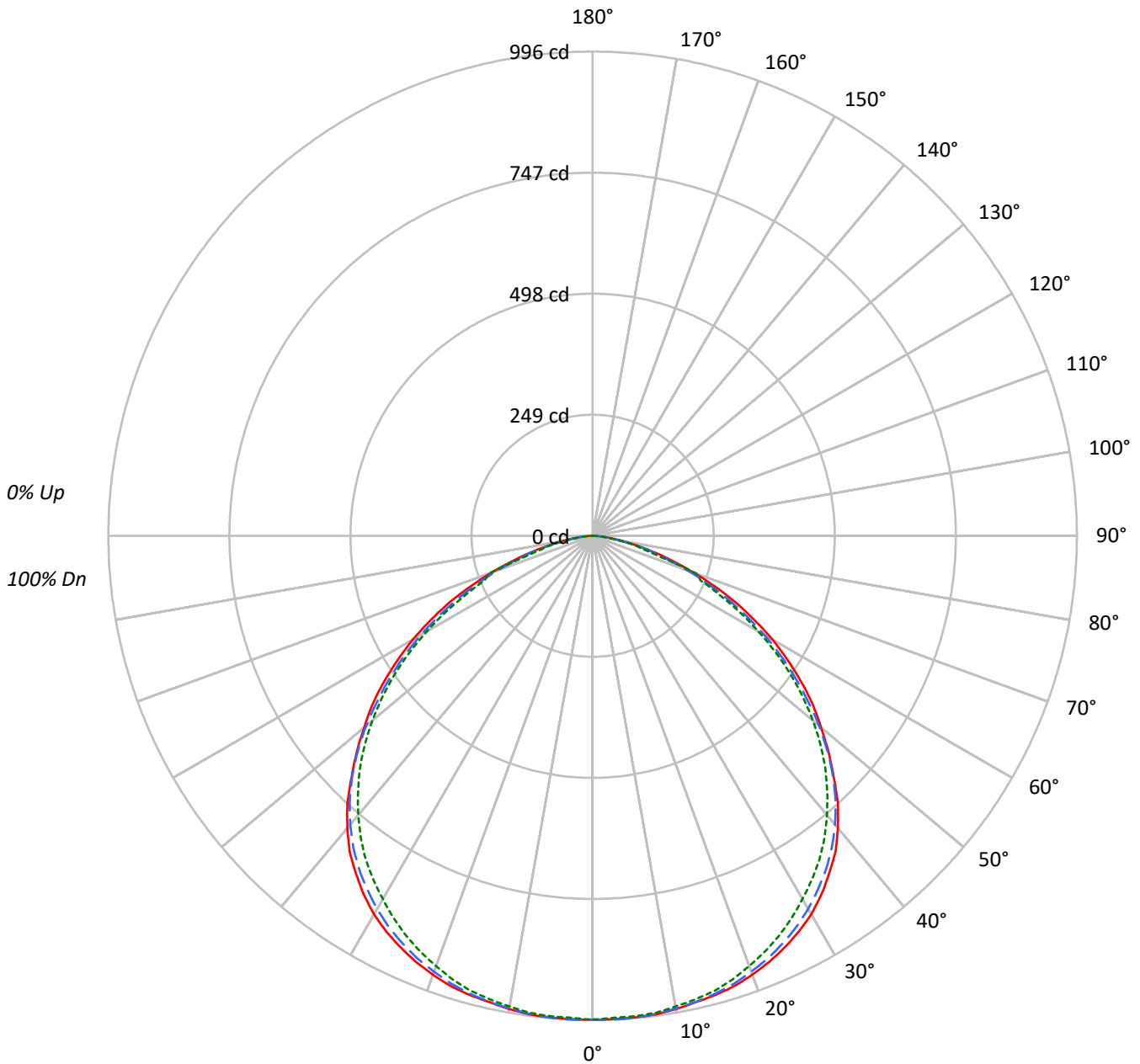
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2766.2 lumens
Efficiency: N/A
Efficacy: 87.0 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): 31.8
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: P505895
CATALOG NUMBER: 14PD-35-PL1-L930

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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2678	2678	2678
5°	2687	2689	2680
10°	2702	2699	2687
15°	2724	2716	2700
20°	2751	2733	2697
25°	2775	2747	2695
30°	2794	2755	2682
35°	2786	2751	2672
40°	2757	2725	2634
45°	2668	2660	2575
50°	2567	2545	2476
55°	2457	2385	2331
60°	2294	2192	2118
65°	2067	1938	1834
70°	1729	1621	1781
75°	1364	1313	1136
80°	982	872	890
85°	624	522	488



TEST NUMBER: P505895

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	3.4
10°-20°	275.1	9.9
20°-30°	425.3	15.4
30°-40°	520.5	18.8
40°-50°	533.6	19.3
50°-60°	454.5	16.4
60°-70°	303.7	11.0
70°-80°	134.6	4.9
80°-90°	24.4	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°	795.0	28.7
0°-40°	1315.5	47.6
0°-60°	2303.5	83.3
0°-90°	2766.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2766.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	995	995	995	995	995	
5°	995	992	995	995	992	95
15°	978	974	975	972	969	276
25°	935	931	925	913	908	431
35°	848	846	837	819	813	530
45°	701	703	699	683	677	541
55°	524	521	508	498	497	467
65°	325	322	304	291	288	320
75°	131	133	126	127	109	142
85°	20	20	17	16	16	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	995.3	995.3	995.3	995.3	995.3
2.5°	995.3	993.6	996.4	997.5	992.5
5°	994.7	992.5	995.3	994.7	992.0
7.5°	993.1	989.3	992.0	990.9	989.8
10°	988.7	985.4	987.6	986.0	983.2
12.5°	982.7	980.5	982.1	980.5	976.7
15°	977.8	974.5	975.0	972.3	969.0
17.5°	971.2	966.3	966.3	960.8	957.0
20°	960.8	956.5	954.3	946.6	941.7
22.5°	948.8	945.5	941.2	931.3	925.9
25°	934.6	931.3	925.3	913.3	907.8
27.5°	918.2	913.8	907.3	893.1	886.5
30°	899.1	893.6	886.5	870.7	863.0
32.5°	875.6	871.7	862.5	846.1	839.0
35°	848.2	846.1	837.3	818.7	813.3
37.5°	820.4	816.0	808.3	788.7	783.2
40°	784.8	782.1	775.6	756.4	749.9
42.5°	746.6	744.9	739.5	721.4	714.3
45°	701.2	703.4	699.0	683.2	676.6
47.5°	658.0	657.0	655.3	641.1	635.6
50°	613.2	611.0	607.8	596.3	591.4
52.5°	571.1	566.8	558.0	548.2	544.9
55°	523.6	520.9	508.3	497.9	496.8
57.5°	475.5	473.9	458.6	446.5	446.5
60°	426.3	424.1	407.2	394.6	393.5
62.5°	374.9	373.3	355.8	341.6	342.1
65°	324.7	321.9	304.4	290.8	288.0
67.5°	272.2	271.1	254.1	241.6	240.5
70°	219.7	219.7	206.0	195.1	226.3
72.5°	173.3	171.6	160.7	155.8	148.7
75°	131.2	132.8	126.3	126.8	109.3
77.5°	93.5	90.7	88.0	82.0	86.9
80°	63.4	61.8	56.3	54.7	57.4
82.5°	39.4	39.9	35.0	31.7	31.2
85°	20.2	19.7	16.9	16.4	15.8
87.5°	7.7	8.2	7.1	6.6	6.0
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)