

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: P505869

Luminaire Tested: **14PD-30-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505869
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-L935
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

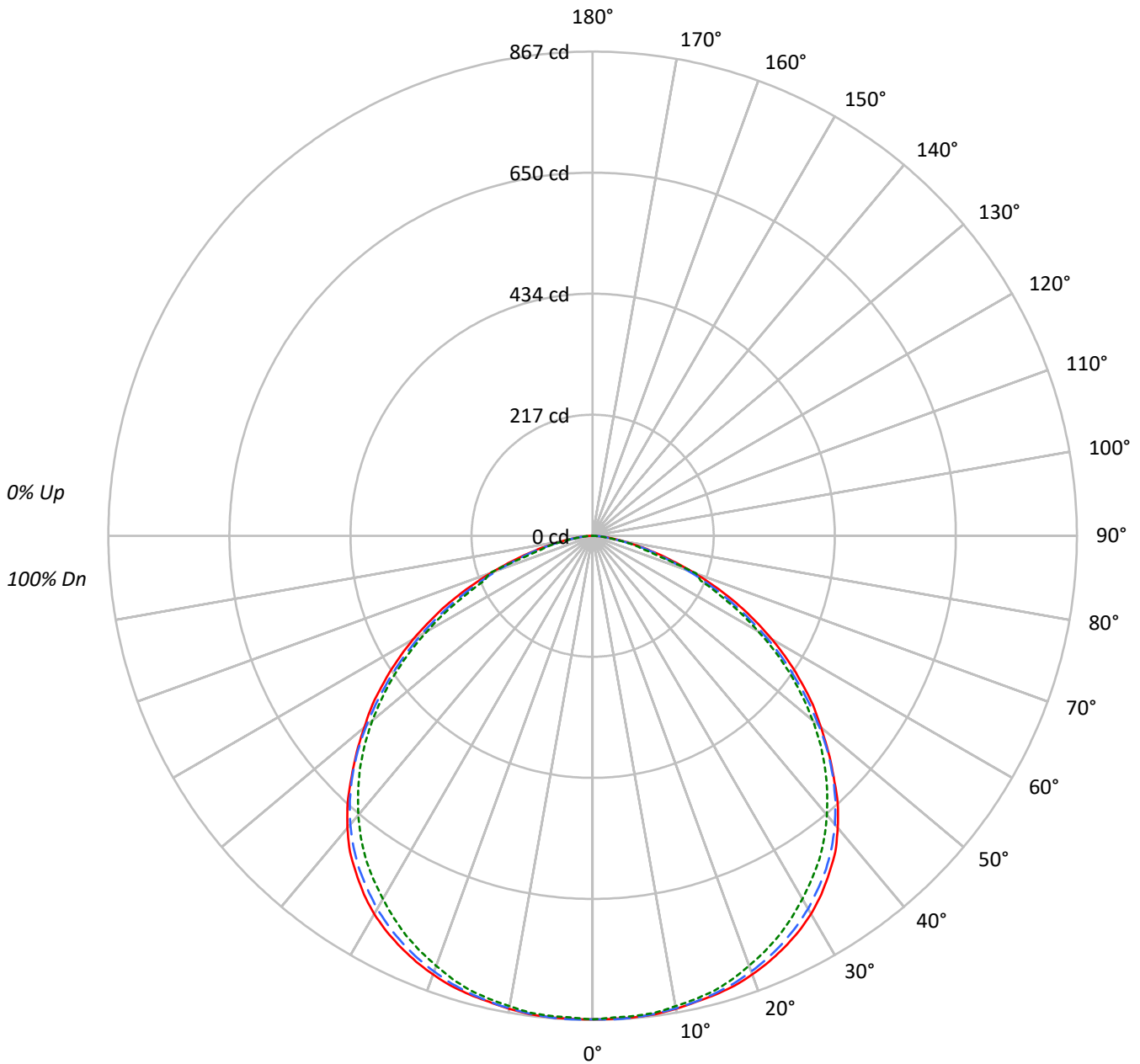
Lumens per Lamp: N/A
Luminaire Lumens: 2406.7 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P505869

CATALOG NUMBER: 14PD-30-PL1-L935

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°	2330	2330	2330
5°	2338	2339	2331
10°	2350	2348	2338
15°	2370	2363	2349
20°	2394	2378	2346
25°	2414	2390	2345
30°	2431	2397	2333
35°	2424	2393	2325
40°	2399	2370	2292
45°	2322	2315	2240
50°	2233	2214	2154
55°	2137	2075	2028
60°	1996	1907	1843
65°	1799	1687	1596
70°	1504	1411	1549
75°	1186	1142	989
80°	855	759	773
85°	543	454	426



TEST NUMBER: P505869

CATALOG NUMBER: 14PD-30-PL1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.3	3.4
10°-20°	239.3	9.9
20°-30°	370.0	15.4
30°-40°	452.9	18.8
40°-50°	464.3	19.3
50°-60°	395.4	16.4
60°-70°	264.2	11.0
70°-80°	117.1	4.9
80°-90°	21.2	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°	691.7	28.7
0°-40°	1144.5	47.6
0°-60°	2004.2	83.3
0°-90°	2406.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2406.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	866	866	866	866	866	
5°	866	864	866	866	863	82
15°	851	848	848	846	843	241
25°	813	810	805	795	790	375
35°	738	736	728	712	708	461
45°	610	612	608	594	589	471
55°	456	453	442	433	432	406
65°	282	280	265	253	251	278
75°	114	116	110	110	95	124
85°	18	17	15	14	14	23
90°	0	0	0	0	0	



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CATALOG NUMBER: 14PD-30-PL1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	865.9	865.9	865.9	865.9	865.9
2.5°	865.9	864.5	866.9	867.8	863.6
5°	865.5	863.6	865.9	865.5	863.1
7.5°	864.0	860.7	863.1	862.1	861.2
10°	860.2	857.4	859.3	857.8	855.5
12.5°	855.0	853.1	854.5	853.1	849.8
15°	850.7	847.9	848.3	846.0	843.1
17.5°	845.0	840.7	840.7	836.0	832.6
20°	836.0	832.2	830.3	823.6	819.3
22.5°	825.5	822.7	818.9	810.3	805.5
25°	813.1	810.3	805.1	794.6	789.8
27.5°	798.9	795.1	789.4	777.0	771.3
30°	782.2	777.5	771.3	757.5	750.9
32.5°	761.8	758.5	750.4	736.1	729.9
35°	738.0	736.1	728.5	712.3	707.6
37.5°	713.8	710.0	703.3	686.2	681.4
40°	682.9	680.5	674.8	658.1	652.4
42.5°	649.6	648.1	643.4	627.7	621.5
45°	610.1	612.0	608.2	594.4	588.7
47.5°	572.5	571.6	570.2	557.8	553.0
50°	533.5	531.6	528.8	518.8	514.5
52.5°	496.9	493.1	485.5	477.0	474.1
55°	455.6	453.2	442.2	433.2	432.3
57.5°	413.7	412.3	399.0	388.5	388.5
60°	370.9	369.0	354.3	343.3	342.4
62.5°	326.2	324.8	309.6	297.2	297.7
65°	282.5	280.1	264.9	253.0	250.6
67.5°	236.8	235.9	221.1	210.2	209.2
70°	191.2	191.2	179.3	169.8	196.9
72.5°	150.7	149.3	139.8	135.5	129.3
75°	114.1	115.6	109.8	110.3	95.1
77.5°	81.3	78.9	76.6	71.3	75.6
80°	55.2	53.7	49.0	47.6	49.9
82.5°	34.2	34.7	30.4	27.6	27.1
85°	17.6	17.1	14.7	14.3	13.8
87.5°	6.7	7.1	6.2	5.7	5.2
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)