

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: P505868

Luminaire Tested: **14PD-30-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505868
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-L930
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

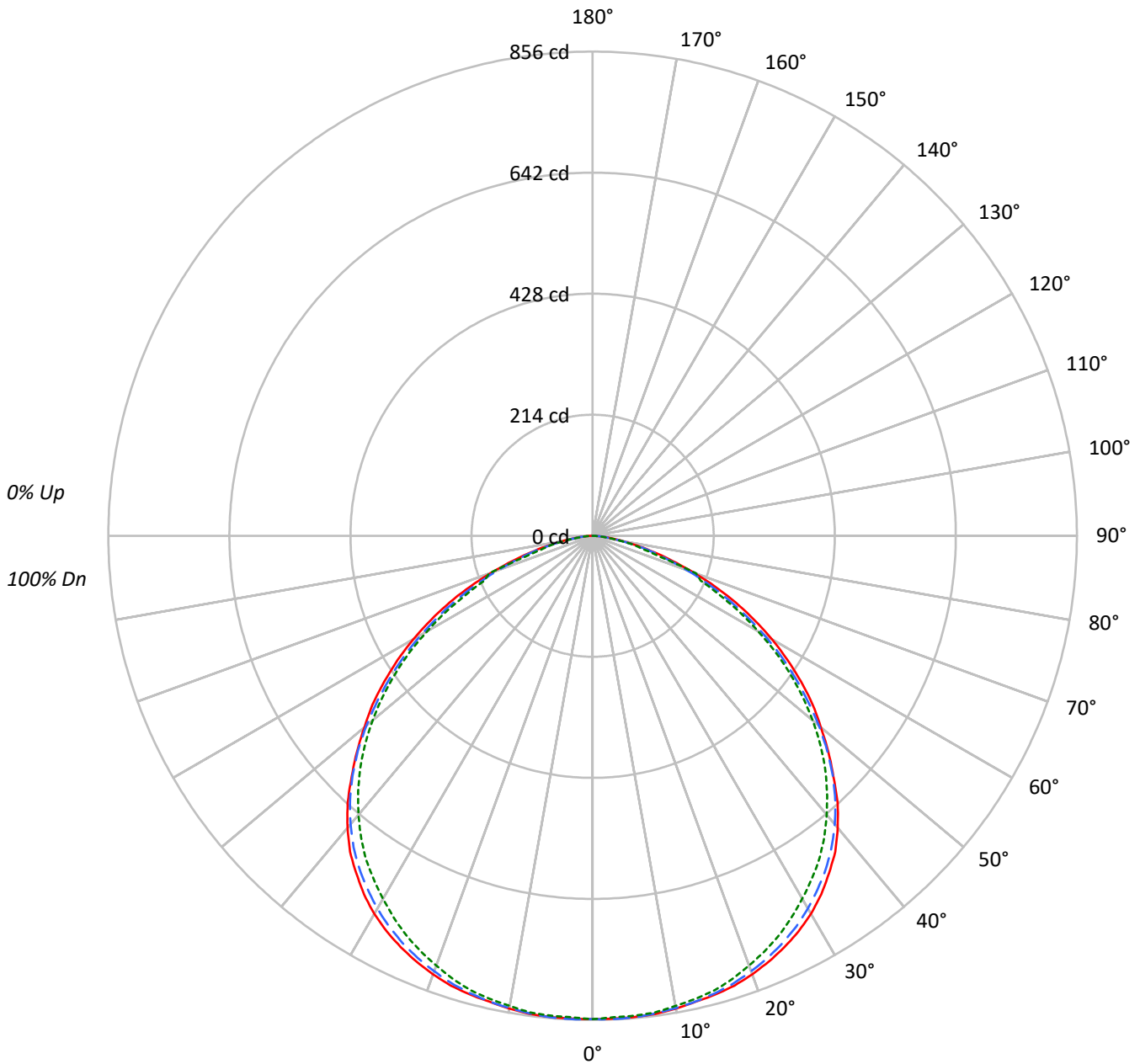
Lumens per Lamp: N/A
Luminaire Lumens: 2375.0 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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					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								
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°	2299	2299	2299
5°	2307	2308	2301
10°	2320	2317	2307
15°	2339	2332	2318
20°	2363	2346	2315
25°	2382	2359	2314
30°	2399	2365	2302
35°	2393	2362	2294
40°	2367	2339	2262
45°	2291	2284	2211
50°	2204	2184	2125
55°	2109	2047	2001
60°	1970	1882	1819
65°	1775	1664	1575
70°	1484	1392	1529
75°	1171	1127	976
80°	843	748	764
85°	537	448	420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	3.4
10°-20°	236.2	9.9
20°-30°	365.1	15.4
30°-40°	446.9	18.8
40°-50°	458.1	19.3
50°-60°	390.2	16.4
60°-70°	260.7	11.0
70°-80°	115.6	4.9
80°-90°	20.9	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°	682.5	28.7
0°-40°	1129.4	47.6
0°-60°	1977.8	83.3
0°-90°	2375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2375.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	854	852	854	854	852	81
15°	840	837	837	835	832	237
25°	802	800	794	784	779	370
35°	728	726	719	703	698	455
45°	602	604	600	587	581	465
55°	450	447	436	428	427	401
65°	279	276	261	250	247	275
75°	113	114	108	109	94	122
85°	17	17	14	14	14	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	854.5	854.5	854.5	854.5	854.5
2.5°	854.5	853.1	855.5	856.4	852.2
5°	854.0	852.2	854.5	854.0	851.7
7.5°	852.6	849.4	851.7	850.8	849.8
10°	848.9	846.1	847.9	846.5	844.2
12.5°	843.7	841.8	843.3	841.8	838.6
15°	839.5	836.7	837.2	834.8	832.0
17.5°	833.9	829.6	829.6	825.0	821.7
20°	825.0	821.2	819.3	812.8	808.5
22.5°	814.6	811.8	808.1	799.6	794.9
25°	802.4	799.6	794.5	784.1	779.4
27.5°	788.4	784.6	779.0	766.8	761.1
30°	771.9	767.2	761.1	747.5	741.0
32.5°	751.8	748.5	740.5	726.4	720.3
35°	728.3	726.4	718.9	702.9	698.3
37.5°	704.4	700.6	694.0	677.1	672.4
40°	673.9	671.5	665.9	649.5	643.8
42.5°	641.0	639.6	634.9	619.4	613.3
45°	602.1	603.9	600.2	586.6	580.9
47.5°	565.0	564.0	562.6	550.4	545.7
50°	526.5	524.6	521.8	512.0	507.7
52.5°	490.4	486.6	479.1	470.7	467.8
55°	449.5	447.2	436.4	427.5	426.6
57.5°	408.3	406.8	393.7	383.4	383.4
60°	366.0	364.1	349.6	338.8	337.9
62.5°	321.9	320.5	305.5	293.3	293.8
65°	278.7	276.4	261.4	249.6	247.3
67.5°	233.7	232.8	218.2	207.4	206.5
70°	188.6	188.6	176.9	167.5	194.3
72.5°	148.8	147.3	138.0	133.7	127.6
75°	112.6	114.0	108.4	108.9	93.9
77.5°	80.2	77.9	75.6	70.4	74.6
80°	54.4	53.0	48.3	46.9	49.3
82.5°	33.8	34.3	30.0	27.2	26.7
85°	17.4	16.9	14.5	14.1	13.6
87.5°	6.6	7.0	6.1	5.6	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)