

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: P505871

Luminaire Tested: **14PD-30-PL1-L950**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P505871
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-L950
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

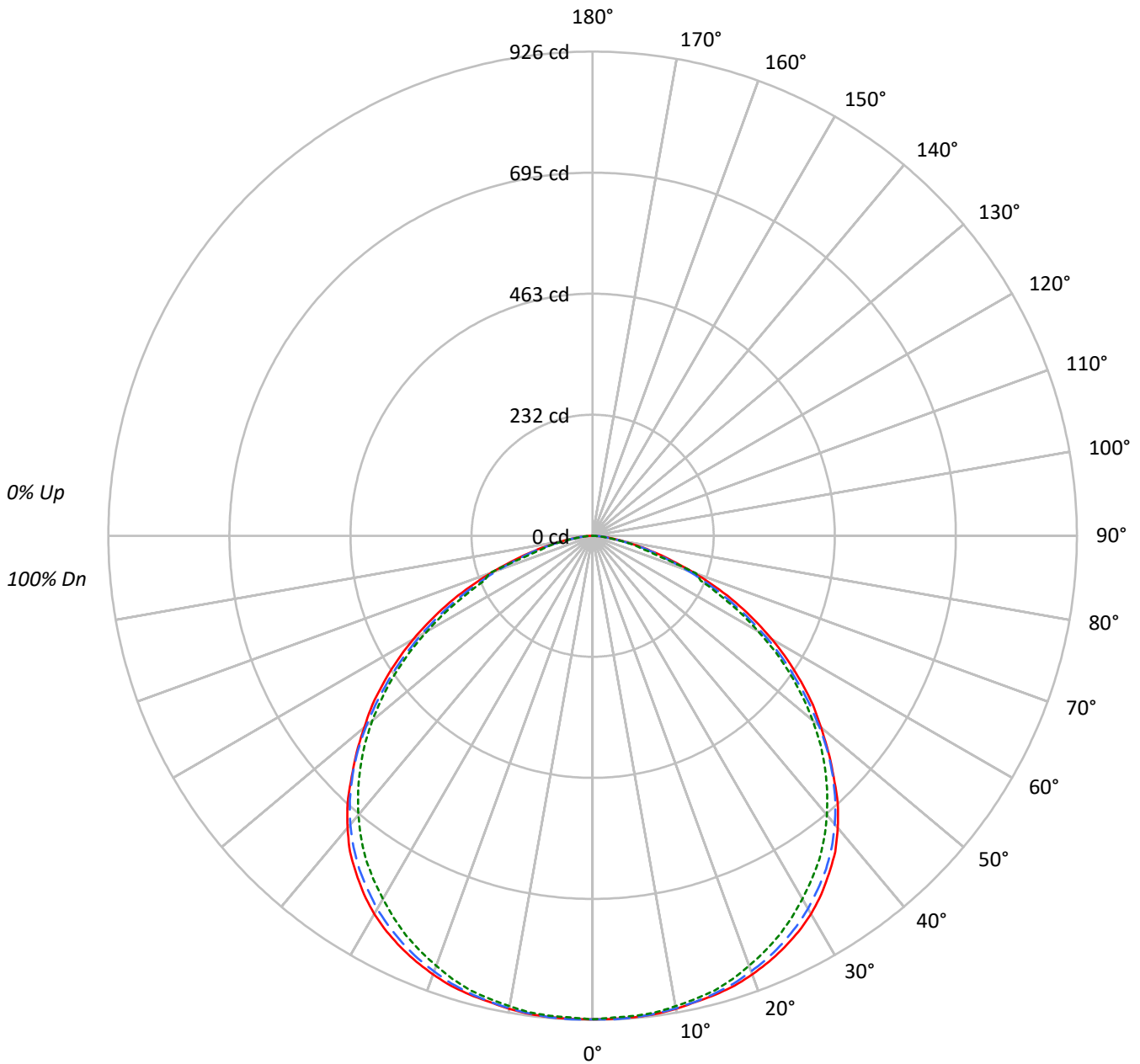
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2570.1 lumens
Efficiency: N/A
Efficacy: 95.2 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									
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°	2488	2488	2488
5°	2497	2498	2490
10°	2510	2507	2496
15°	2531	2524	2508
20°	2556	2539	2506
25°	2578	2553	2504
30°	2596	2559	2491
35°	2589	2556	2482
40°	2562	2531	2447
45°	2479	2472	2393
50°	2385	2364	2300
55°	2282	2216	2166
60°	2132	2036	1968
65°	1920	1801	1704
70°	1606	1506	1654
75°	1267	1220	1056
80°	913	810	826
85°	580	485	454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	3.4
10°-20°	255.6	9.9
20°-30°	395.1	15.4
30°-40°	483.6	18.8
40°-50°	495.8	19.3
50°-60°	422.3	16.4
60°-70°	282.2	11.0
70°-80°	125.1	4.9
80°-90°	22.6	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°	738.6	28.7
0°-40°	1222.2	47.6
0°-60°	2140.3	83.3
0°-90°	2570.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2570.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	925	925	925	925	925	
5°	924	922	925	924	922	88
15°	908	905	906	903	900	257
25°	868	865	860	848	844	400
35°	788	786	778	761	756	493
45°	652	654	650	635	629	503
55°	486	484	472	463	462	434
65°	302	299	283	270	268	297
75°	122	123	117	118	102	132
85°	19	18	16	15	15	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	924.7	924.7	924.7	924.7	924.7
2.5°	924.7	923.2	925.7	926.7	922.2
5°	924.2	922.2	924.7	924.2	921.7
7.5°	922.7	919.1	921.7	920.7	919.6
10°	918.6	915.6	917.6	916.1	913.5
12.5°	913.0	911.0	912.5	911.0	907.5
15°	908.5	905.4	905.9	903.4	900.3
17.5°	902.4	897.8	897.8	892.7	889.2
20°	892.7	888.7	886.6	879.5	875.0
22.5°	881.6	878.5	874.4	865.3	860.2
25°	868.4	865.3	859.7	848.5	843.5
27.5°	853.1	849.1	843.0	829.8	823.7
30°	835.3	830.3	823.7	808.9	801.8
32.5°	813.5	810.0	801.3	786.1	779.5
35°	788.1	786.1	778.0	760.7	755.6
37.5°	762.2	758.2	751.0	732.8	727.7
40°	729.2	726.7	720.6	702.8	696.7
42.5°	693.7	692.1	687.1	670.3	663.7
45°	651.5	653.5	649.5	634.8	628.7
47.5°	611.4	610.4	608.9	595.7	590.6
50°	569.8	567.7	564.7	554.0	549.4
52.5°	530.7	526.6	518.5	509.3	506.3
55°	486.5	483.9	472.3	462.6	461.6
57.5°	441.8	440.3	426.1	414.9	414.9
60°	396.1	394.1	378.3	366.6	365.6
62.5°	348.4	346.8	330.6	317.4	317.9
65°	301.6	299.1	282.8	270.2	267.6
67.5°	252.9	251.9	236.1	224.5	223.4
70°	204.1	204.1	191.4	181.3	210.2
72.5°	161.0	159.5	149.3	144.7	138.1
75°	121.9	123.4	117.3	117.8	101.6
77.5°	86.8	84.3	81.8	76.2	80.7
80°	58.9	57.4	52.3	50.8	53.3
82.5°	36.6	37.1	32.5	29.5	28.9
85°	18.8	18.3	15.7	15.2	14.7
87.5°	7.1	7.6	6.6	6.1	5.6
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)