

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: P505889

Luminaire Tested: **14PD-30-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PW1-L950
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

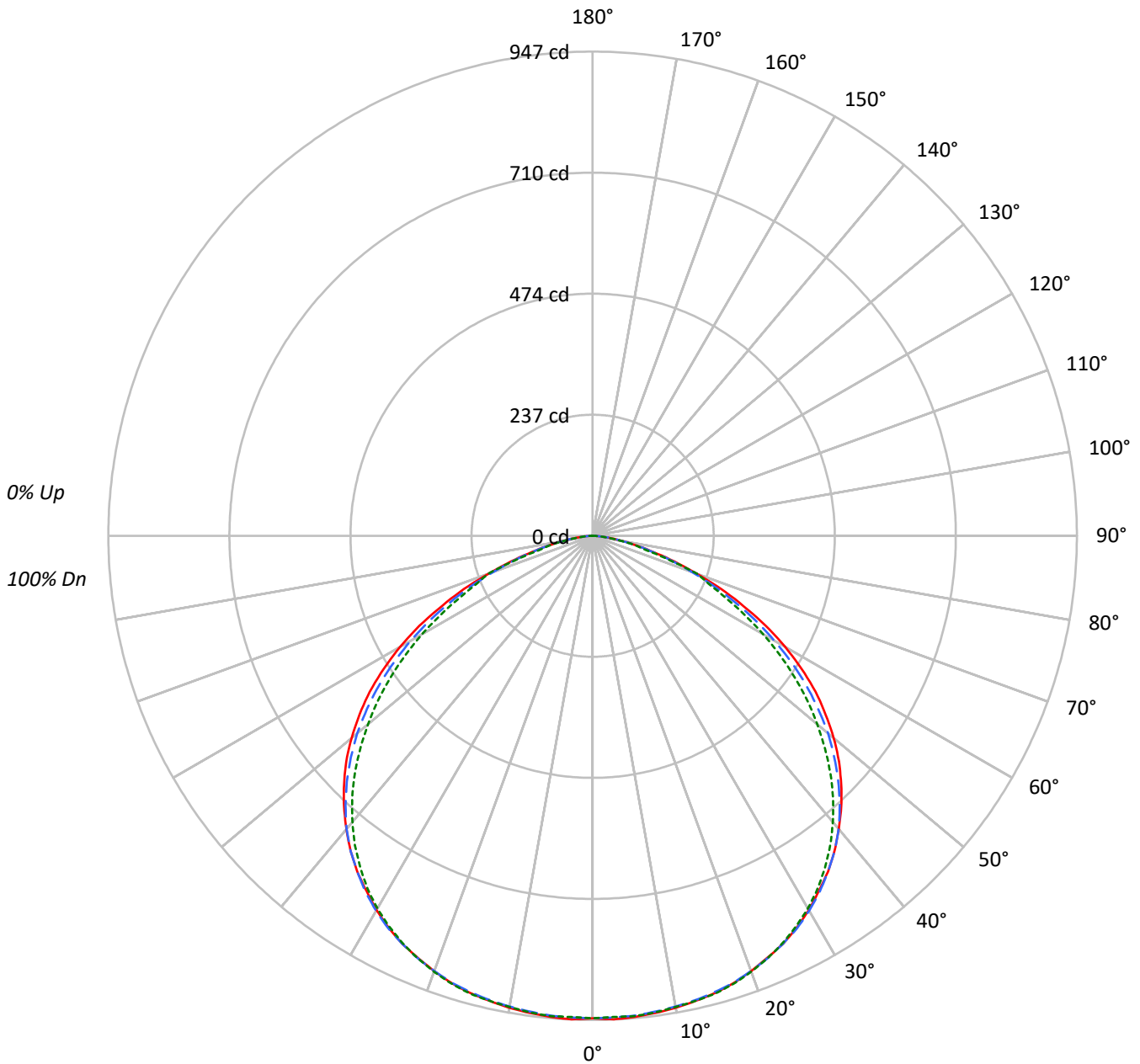
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2687.3 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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	97	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	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2539	2539	2539
5°	2552	2545	2547
10°	2562	2555	2557
15°	2580	2574	2583
20°	2595	2594	2598
25°	2615	2615	2610
30°	2627	2632	2615
35°	2635	2635	2602
40°	2631	2629	2567
45°	2616	2586	2503
50°	2577	2514	2400
55°	2497	2392	2262
60°	2340	2210	2073
65°	2072	1953	1824
70°	1692	1616	1704
75°	1276	1253	1126
80°	917	860	860
85°	577	543	479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	3.3
10°-20°	261.2	9.7
20°-30°	405.5	15.1
30°-40°	499.4	18.6
40°-50°	519.9	19.3
50°-60°	452.2	16.8
60°-70°	303.8	11.3
70°-80°	131.5	4.9
80°-90°	24.1	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°	756.4	28.1
0°-40°	1255.8	46.7
0°-60°	2227.9	82.9
0°-90°	2687.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2687.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	944	944	944	944	944	
5°	945	939	942	944	943	90
15°	926	920	924	927	927	262
25°	881	876	881	881	879	406
35°	802	800	802	795	792	501
45°	688	685	680	664	658	530
55°	532	523	510	490	482	473
65°	325	320	307	292	286	322
75°	123	124	120	123	108	135
85°	19	19	18	16	16	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	943.6	943.6	943.6	943.6	943.6
2.5°	946.8	940.9	943.0	946.2	942.0
5°	944.6	938.8	942.0	944.1	943.0
7.5°	941.4	937.2	938.8	940.9	940.4
10°	937.7	933.4	935.0	937.2	935.6
12.5°	931.8	927.0	930.2	932.4	931.8
15°	926.0	919.6	923.8	927.0	927.0
17.5°	917.4	912.1	916.4	919.0	918.5
20°	906.2	902.5	905.7	907.8	907.3
22.5°	893.4	890.8	894.5	894.5	894.5
25°	880.6	876.4	880.6	880.6	879.0
27.5°	864.1	860.4	865.7	864.1	861.4
30°	845.4	843.3	847.0	844.4	841.7
32.5°	823.6	822.5	826.2	820.9	818.8
35°	802.2	800.1	802.2	795.3	792.1
37.5°	777.2	775.0	777.2	768.1	763.3
40°	748.9	747.3	748.4	736.6	730.8
42.5°	719.6	718.0	715.3	700.9	696.1
45°	687.5	685.4	679.5	664.1	657.7
47.5°	653.4	649.7	641.1	624.6	616.1
50°	615.5	610.2	600.6	582.5	573.4
52.5°	574.5	568.1	555.8	537.7	529.1
55°	532.3	522.7	509.9	489.7	482.2
57.5°	484.3	474.2	460.9	442.2	433.7
60°	434.7	424.6	410.7	393.6	385.1
62.5°	381.9	372.8	359.0	343.0	335.5
65°	325.4	319.5	306.7	292.3	286.4
67.5°	272.0	266.2	255.5	243.2	245.4
70°	215.0	214.4	205.4	196.8	216.6
72.5°	167.5	166.4	161.6	157.4	156.3
75°	122.7	123.7	120.5	123.2	108.3
77.5°	86.4	87.5	86.9	79.5	83.2
80°	59.2	59.2	55.5	52.8	55.5
82.5°	35.7	42.7	38.4	31.5	30.4
85°	18.7	19.2	17.6	15.5	15.5
87.5°	6.9	8.0	6.9	6.4	5.9
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)