

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: P505888

Luminaire Tested: **14PD-30-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505888
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-L940
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

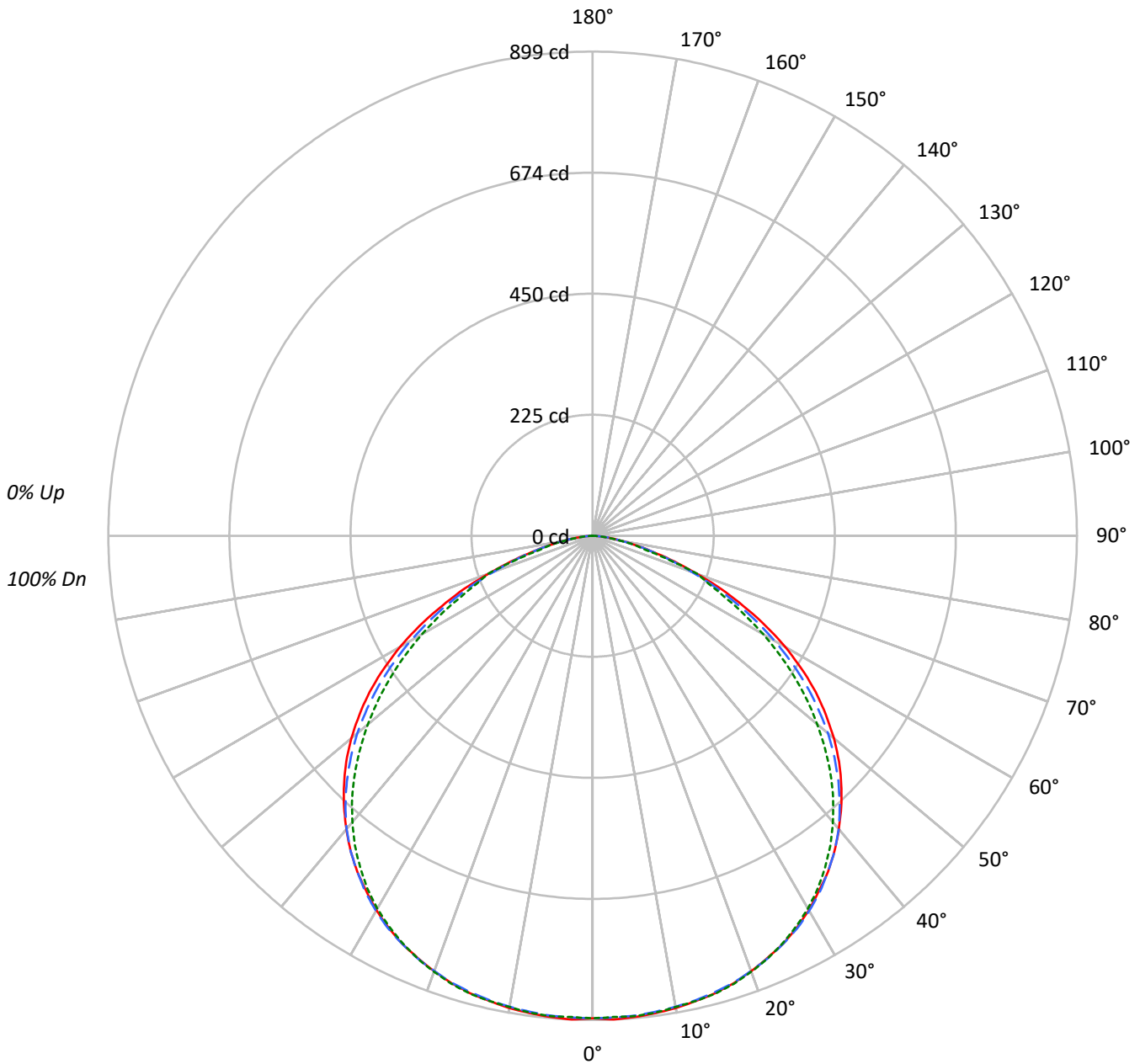
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2551.6 lumens
Efficiency: N/A
Efficacy: 94.5 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 (Ain): 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: P505888
CATALOG NUMBER: 14PD-30-PW1-L940

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°	2411	2411	2411
5°	2423	2416	2419
10°	2433	2426	2427
15°	2449	2444	2452
20°	2464	2463	2467
25°	2483	2483	2478
30°	2495	2499	2483
35°	2502	2502	2471
40°	2498	2496	2438
45°	2484	2455	2377
50°	2447	2388	2280
55°	2372	2272	2148
60°	2222	2099	1968
65°	1967	1854	1732
70°	1606	1534	1618
75°	1211	1190	1069
80°	871	817	817
85°	546	516	454



TEST NUMBER: P505888

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	3.3
10°-20°	248.0	9.7
20°-30°	385.0	15.1
30°-40°	474.2	18.6
40°-50°	493.7	19.3
50°-60°	429.3	16.8
60°-70°	288.4	11.3
70°-80°	124.9	4.9
80°-90°	22.9	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°	718.2	28.1
0°-40°	1192.4	46.7
0°-60°	2115.4	82.9
0°-90°	2551.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2551.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	897	891	894	896	895	85
15°	879	873	877	880	880	248
25°	836	832	836	836	835	385
35°	762	760	762	755	752	476
45°	653	651	645	631	624	503
55°	506	496	484	465	458	449
65°	309	303	291	278	272	306
75°	116	118	114	117	103	128
85°	18	18	17	15	15	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	895.9	895.9	895.9	895.9	895.9
2.5°	899.0	893.4	895.4	898.5	894.4
5°	897.0	891.4	894.4	896.4	895.4
7.5°	893.9	889.9	891.4	893.4	892.9
10°	890.4	886.3	887.8	889.9	888.3
12.5°	884.8	880.2	883.3	885.3	884.8
15°	879.2	873.2	877.2	880.2	880.2
17.5°	871.1	866.1	870.1	872.6	872.1
20°	860.5	856.9	860.0	862.0	861.5
22.5°	848.3	845.8	849.3	849.3	849.3
25°	836.2	832.1	836.2	836.2	834.7
27.5°	820.5	816.9	822.0	820.5	817.9
30°	802.8	800.7	804.3	801.7	799.2
32.5°	782.0	781.0	784.5	779.5	777.4
35°	761.7	759.7	761.7	755.1	752.1
37.5°	737.9	735.9	737.9	729.3	724.8
40°	711.1	709.6	710.6	699.4	693.9
42.5°	683.2	681.7	679.2	665.5	660.9
45°	652.8	650.8	645.2	630.6	624.5
47.5°	620.4	616.9	608.8	593.1	585.0
50°	584.5	579.4	570.3	553.1	544.5
52.5°	545.5	539.4	527.7	510.5	502.4
55°	505.5	496.3	484.2	464.9	457.8
57.5°	459.9	450.3	437.6	419.9	411.8
60°	412.8	403.1	390.0	373.8	365.7
62.5°	362.6	354.0	340.9	325.7	318.6
65°	308.9	303.4	291.2	277.5	272.0
67.5°	258.3	252.7	242.6	230.9	233.0
70°	204.1	203.6	195.0	186.9	205.6
72.5°	159.0	158.0	153.5	149.4	148.4
75°	116.5	117.5	114.5	117.0	102.8
77.5°	82.0	83.1	82.6	75.5	79.0
80°	56.2	56.2	52.7	50.1	52.7
82.5°	33.9	40.5	36.5	29.9	28.9
85°	17.7	18.2	16.7	14.7	14.7
87.5°	6.6	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)