

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: P505856

Luminaire Tested: **14PD-25-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505856
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-25-PW1-L840
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

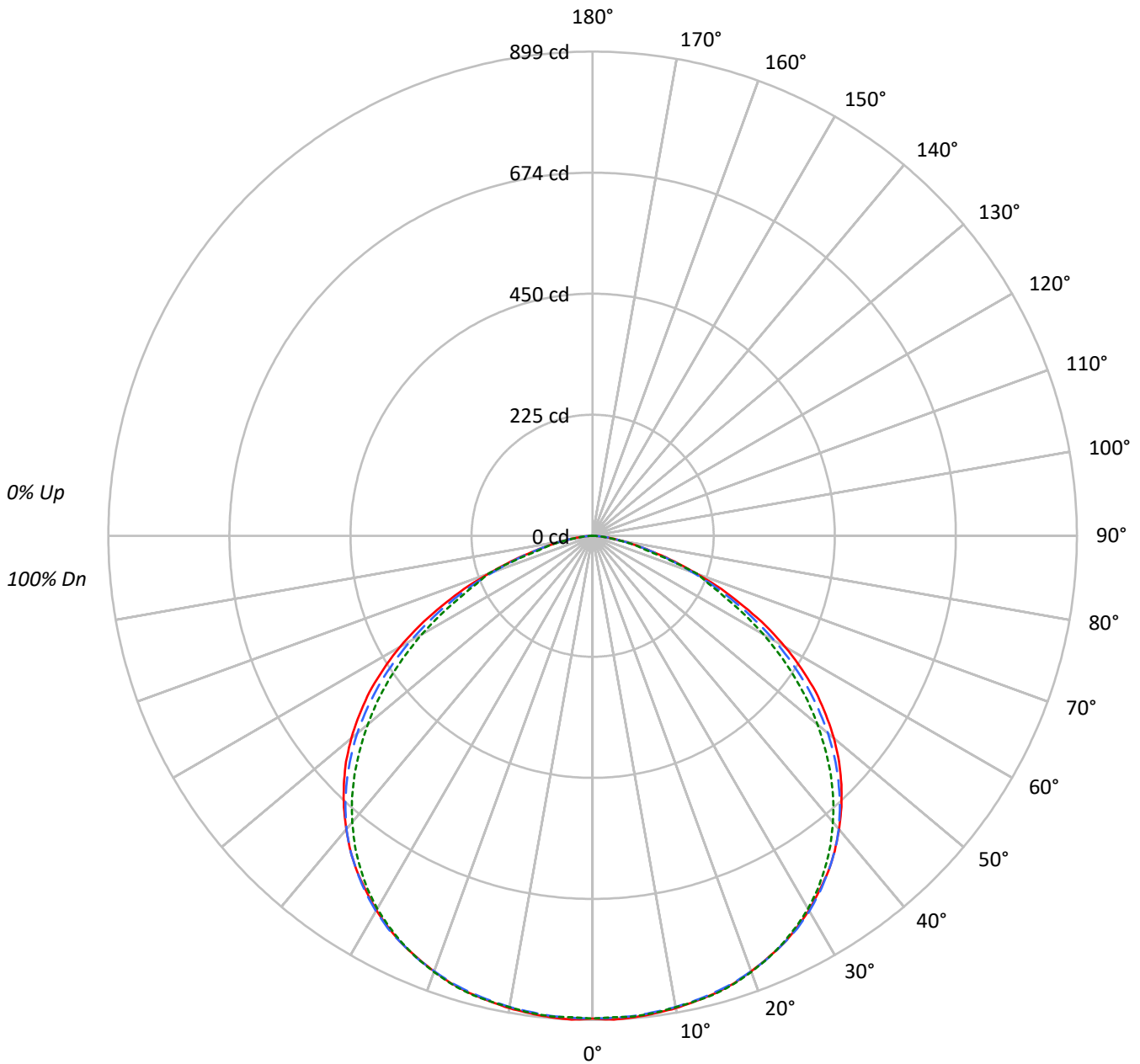
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2552.6 lumens
Efficiency: N/A
Efficacy: 112.5 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): 22.7
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	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°	2412	2412	2412
5°	2424	2417	2420
10°	2434	2427	2428
15°	2450	2445	2453
20°	2465	2464	2468
25°	2484	2484	2479
30°	2495	2500	2484
35°	2503	2503	2472
40°	2499	2497	2438
45°	2485	2457	2377
50°	2448	2388	2280
55°	2373	2273	2149
60°	2222	2100	1969
65°	1968	1855	1733
70°	1607	1535	1618
75°	1211	1190	1070
80°	871	817	817
85°	546	516	454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	3.3
10°-20°	248.1	9.7
20°-30°	385.2	15.1
30°-40°	474.4	18.6
40°-50°	493.9	19.3
50°-60°	429.5	16.8
60°-70°	288.6	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°	718.5	28.1
0°-40°	1192.9	46.7
0°-60°	2116.2	82.9
0°-90°	2552.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2552.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	897	892	895	897	896	85
15°	880	874	878	881	881	248
25°	836	832	836	836	835	385
35°	762	760	762	755	752	476
45°	653	651	646	631	625	503
55°	506	496	484	465	458	449
65°	309	304	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°	896.3	896.3	896.3	896.3	896.3
2.5°	899.3	893.8	895.8	898.8	894.8
5°	897.3	891.7	894.8	896.8	895.8
7.5°	894.3	890.2	891.7	893.8	893.3
10°	890.7	886.7	888.2	890.2	888.7
12.5°	885.1	880.6	883.6	885.7	885.1
15°	879.6	873.5	877.5	880.6	880.6
17.5°	871.5	866.4	870.5	873.0	872.5
20°	860.8	857.3	860.3	862.3	861.8
22.5°	848.7	846.1	849.7	849.7	849.7
25°	836.5	832.5	836.5	836.5	835.0
27.5°	820.8	817.3	822.3	820.8	818.3
30°	803.1	801.0	804.6	802.1	799.5
32.5°	782.3	781.3	784.8	779.8	777.7
35°	762.0	760.0	762.0	755.4	752.4
37.5°	738.2	736.2	738.2	729.6	725.0
40°	711.4	709.8	710.9	699.7	694.1
42.5°	683.5	682.0	679.4	665.8	661.2
45°	653.1	651.1	645.5	630.8	624.7
47.5°	620.7	617.1	609.0	593.3	585.2
50°	584.7	579.6	570.5	553.3	544.7
52.5°	545.7	539.6	527.9	510.7	502.6
55°	505.7	496.5	484.4	465.1	458.0
57.5°	460.1	450.4	437.8	420.0	411.9
60°	412.9	403.3	390.1	373.9	365.8
62.5°	362.8	354.2	341.0	325.8	318.7
65°	309.1	303.5	291.3	277.7	272.1
67.5°	258.4	252.8	242.7	231.0	233.1
70°	204.2	203.7	195.1	187.0	205.7
72.5°	159.1	158.1	153.5	149.5	148.5
75°	116.5	117.5	114.5	117.0	102.9
77.5°	82.1	83.1	82.6	75.5	79.0
80°	56.2	56.2	52.7	50.2	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)