

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: P505827

Luminaire Tested: **14PD-20-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505827
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-20-PW1-L830
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

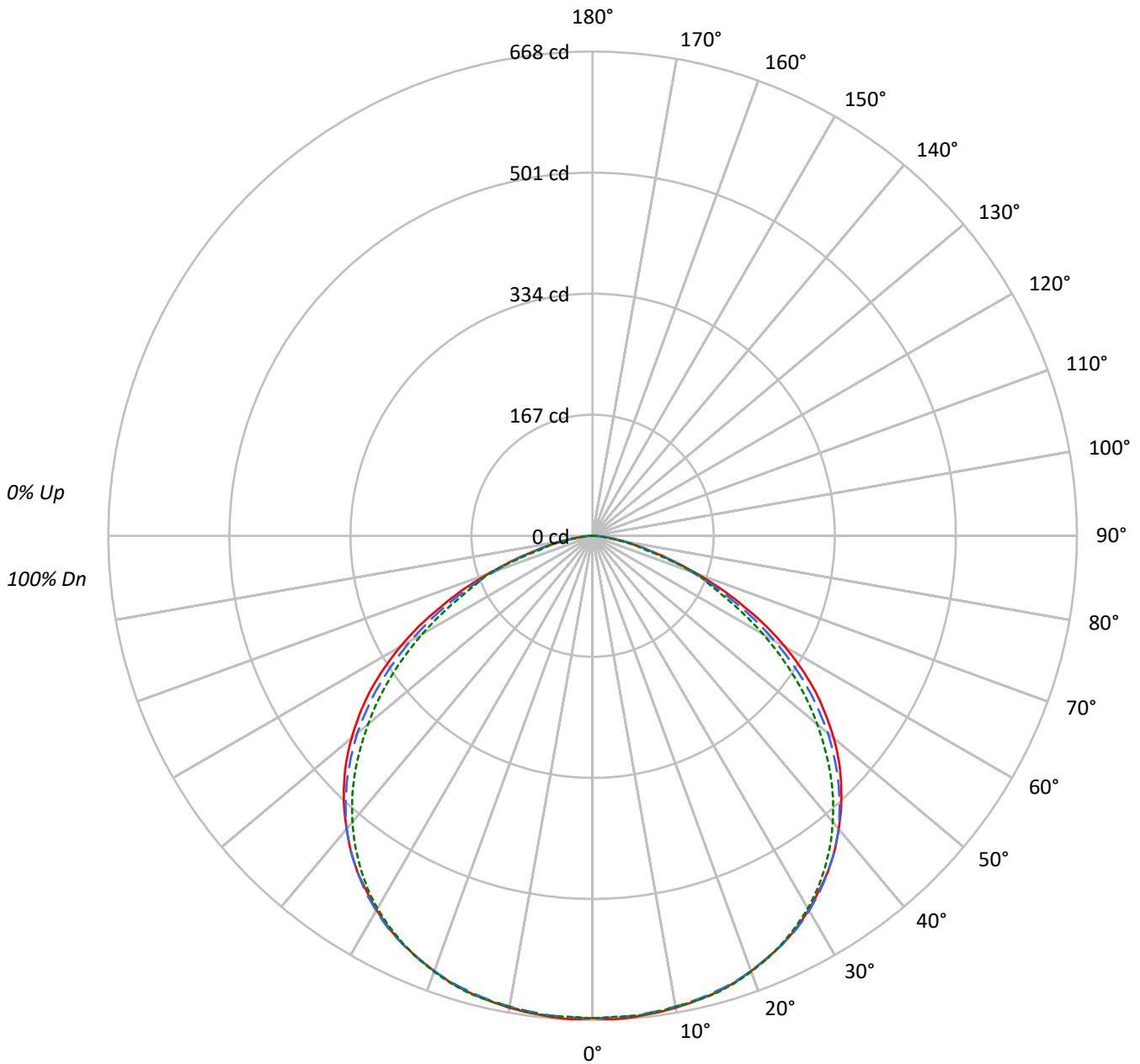
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1895.4 lumens
Efficiency: N/A
Efficacy: 108.9 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): 17.4
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

TEST NUMBER: P505827
CATALOG NUMBER: 14PD-20-PW1-L830

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°	1791	1791	1791
5°	1800	1795	1797
10°	1807	1802	1803
15°	1819	1815	1822
20°	1830	1829	1832
25°	1844	1844	1841
30°	1853	1856	1845
35°	1859	1859	1835
40°	1855	1854	1811
45°	1845	1824	1765
50°	1817	1773	1693
55°	1762	1688	1596
60°	1650	1559	1462
65°	1461	1377	1286
70°	1193	1139	1201
75°	899	884	794
80°	648	606	606
85°	408	383	337



TEST NUMBER: P505827

CATALOG NUMBER: 14PD-20-PW1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	3.3
10°-20°	184.2	9.7
20°-30°	286.0	15.1
30°-40°	352.2	18.6
40°-50°	366.7	19.3
50°-60°	318.9	16.8
60°-70°	214.3	11.3
70°-80°	92.7	4.9
80°-90°	17.0	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°	533.5	28.1
0°-40°	885.7	46.7
0°-60°	1571.4	82.9
0°-90°	1895.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1895.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	666	662	664	666	665	63
15°	653	649	652	654	654	184
25°	621	618	621	621	620	286
35°	566	564	566	561	559	354
45°	485	483	479	468	464	374
55°	376	369	360	345	340	334
65°	230	225	216	206	202	227
75°	86	87	85	87	76	95
85°	13	14	12	11	11	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	665.5	665.5	665.5	665.5	665.5
2.5°	667.8	663.6	665.1	667.4	664.4
5°	666.3	662.1	664.4	665.9	665.1
7.5°	664.0	661.0	662.1	663.6	663.3
10°	661.4	658.4	659.5	661.0	659.9
12.5°	657.2	653.9	656.1	657.6	657.2
15°	653.1	648.6	651.6	653.9	653.9
17.5°	647.1	643.3	646.3	648.2	647.8
20°	639.2	636.5	638.8	640.3	639.9
22.5°	630.2	628.3	630.9	630.9	630.9
25°	621.1	618.1	621.1	621.1	620.0
27.5°	609.5	606.8	610.6	609.5	607.6
30°	596.3	594.8	597.4	595.5	593.7
32.5°	580.9	580.1	582.8	579.0	577.5
35°	565.8	564.3	565.8	560.9	558.7
37.5°	548.1	546.6	548.1	541.7	538.4
40°	528.2	527.1	527.8	519.5	515.4
42.5°	507.5	506.4	504.5	494.3	491.0
45°	484.9	483.4	479.3	468.4	463.9
47.5°	460.9	458.2	452.2	440.5	434.5
50°	434.1	430.4	423.6	410.8	404.4
52.5°	405.2	400.7	392.0	379.2	373.2
55°	375.5	368.7	359.7	345.4	340.1
57.5°	341.6	334.5	325.0	311.9	305.9
60°	306.6	299.5	289.7	277.6	271.6
62.5°	269.4	263.0	253.2	241.9	236.6
65°	229.5	225.4	216.3	206.2	202.0
67.5°	191.9	187.7	180.2	171.6	173.1
70°	151.6	151.2	144.8	138.8	152.7
72.5°	118.1	117.4	114.0	111.0	110.2
75°	86.5	87.3	85.0	86.9	76.4
77.5°	60.9	61.7	61.3	56.1	58.7
80°	41.8	41.8	39.1	37.2	39.1
82.5°	25.2	30.1	27.1	22.2	21.4
85°	13.2	13.5	12.4	10.9	10.9
87.5°	4.9	5.6	4.9	4.5	4.1
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)