

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: P506178

Luminaire Tested: **22PD-20-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-20-PW1-L830
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

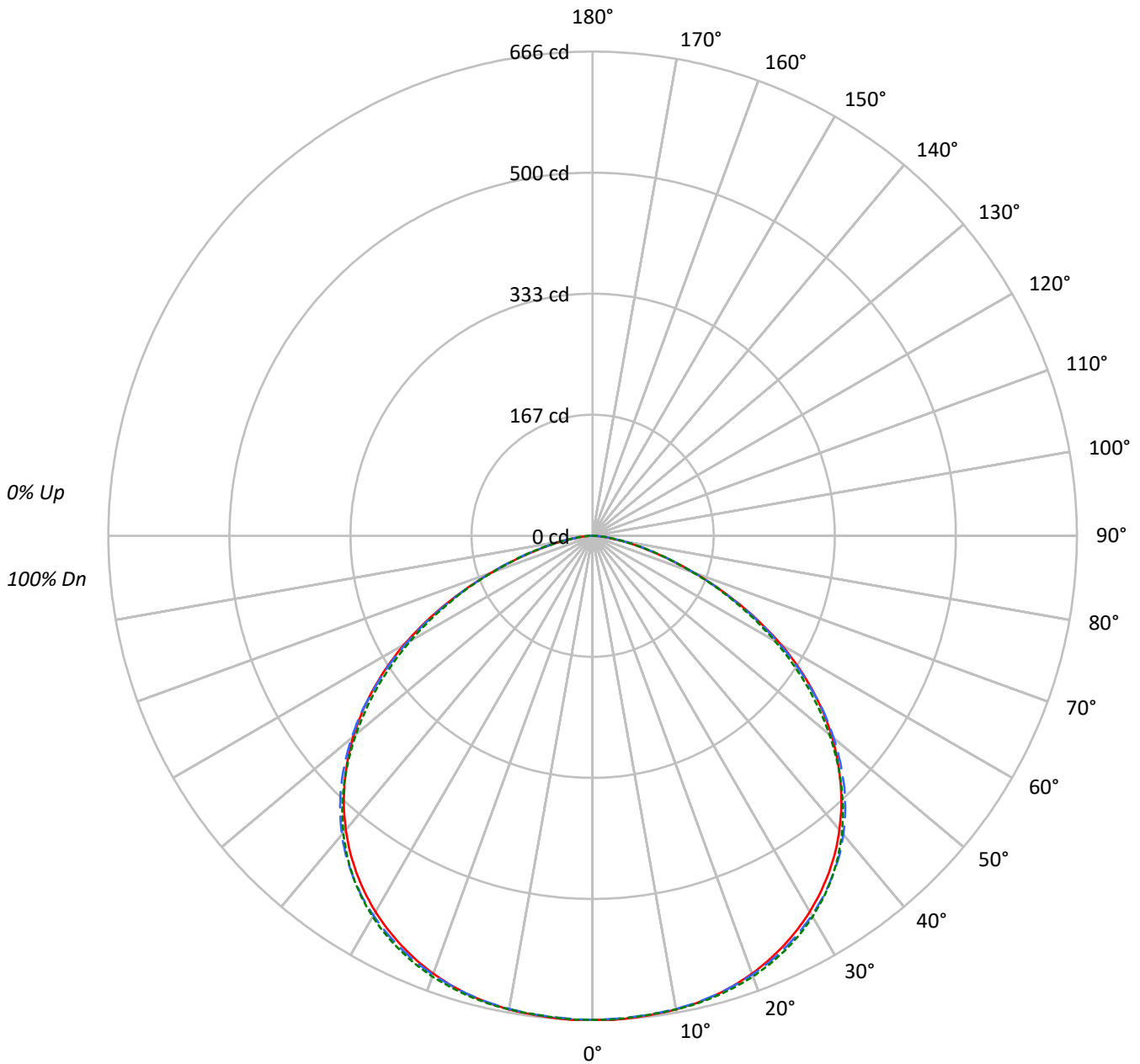
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1924.5 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	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°	1792	1792	1792
5°	1797	1794	1794
10°	1808	1806	1808
15°	1822	1822	1827
20°	1836	1840	1847
25°	1847	1858	1866
30°	1856	1874	1880
35°	1860	1885	1885
40°	1855	1885	1874
45°	1837	1863	1840
50°	1799	1812	1779
55°	1729	1721	1689
60°	1610	1592	1559
65°	1420	1406	1379
70°	1163	1168	1144
75°	881	911	904
80°	638	663	652
85°	420	432	463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	3.3
10°-20°	184.9	9.6
20°-30°	288.3	15.0
30°-40°	357.3	18.6
40°-50°	373.9	19.4
50°-60°	325.8	16.9
60°-70°	218.2	11.3
70°-80°	94.6	4.9
80°-90°	18.2	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°	536.5	27.9
0°-40°	893.8	46.4
0°-60°	1593.5	82.8
0°-90°	1924.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1924.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	666	666	666	666	666	
5°	665	664	664	664	664	63
15°	654	653	654	655	656	185
25°	622	622	626	628	628	287
35°	566	568	574	574	574	354
45°	483	485	490	485	484	372
55°	369	368	367	363	360	328
65°	223	222	221	219	216	221
75°	85	86	88	87	87	93
85°	14	14	14	14	15	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	665.8	665.8	665.8	665.8	665.8
2.5°	666.5	665.3	665.1	665.1	665.8
5°	665.1	664.3	664.1	663.9	664.3
7.5°	663.6	662.7	662.9	662.4	662.9
10°	661.7	660.8	660.8	660.8	661.5
12.5°	658.4	657.7	657.9	658.4	659.4
15°	654.1	653.2	653.9	654.6	655.8
17.5°	648.2	647.5	648.6	649.8	650.8
20°	641.0	640.3	642.5	644.1	645.1
22.5°	632.2	632.0	634.8	636.7	637.5
25°	622.0	622.2	625.6	627.5	628.4
27.5°	610.3	610.8	615.1	616.8	617.7
30°	597.2	598.4	603.0	604.4	605.1
32.5°	582.5	584.2	589.6	590.6	590.6
35°	566.3	568.5	573.7	574.4	573.9
37.5°	548.2	550.6	556.6	555.6	554.9
40°	528.0	530.6	536.6	534.7	533.5
42.5°	506.4	509.0	514.2	511.3	509.7
45°	482.6	485.2	489.5	485.4	483.5
47.5°	456.9	460.0	462.1	457.6	455.2
50°	429.7	430.7	432.8	427.6	425.0
52.5°	400.2	400.2	401.9	396.2	393.1
55°	368.6	368.3	366.9	362.9	360.0
57.5°	335.0	333.6	332.6	328.4	325.0
60°	299.1	297.0	295.8	292.2	289.6
62.5°	261.5	260.3	258.9	256.0	253.2
65°	223.0	221.8	220.8	218.7	216.5
67.5°	184.6	183.9	183.9	182.5	182.3
70°	147.8	148.2	148.5	148.5	145.4
72.5°	114.5	114.7	115.9	114.9	114.7
75°	84.7	86.1	87.6	86.9	86.9
77.5°	60.9	63.1	63.1	62.6	61.9
80°	41.2	42.1	42.8	42.6	42.1
82.5°	26.2	26.9	26.2	26.7	26.9
85°	13.6	14.5	14.0	14.3	15.0
87.5°	4.5	5.0	5.2	5.0	5.0
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)