

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: P506160

Luminaire Tested: **22PD-20-PL1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-20-PL1-L830
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

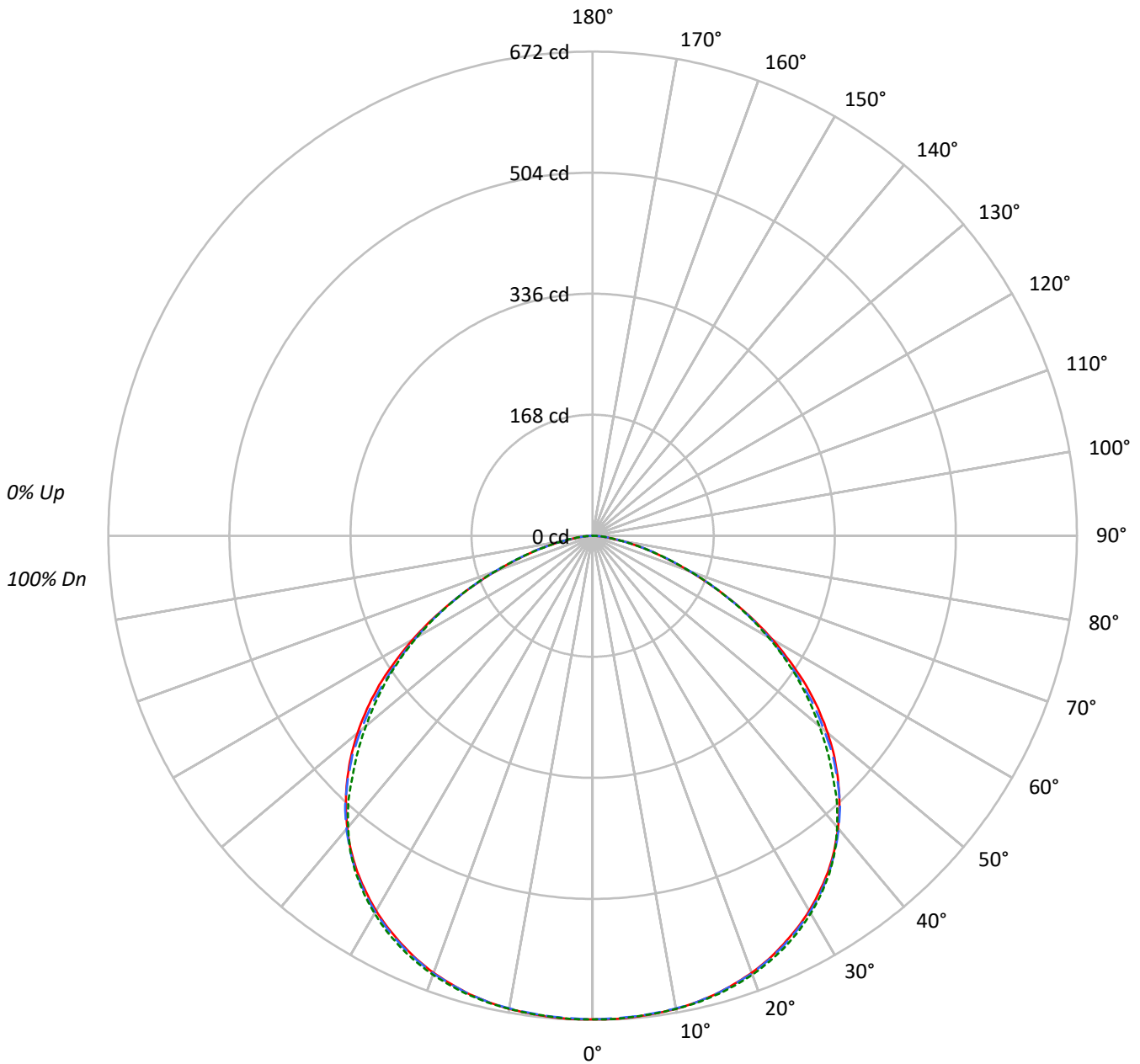
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1900.8 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
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	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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1806	1806	1806
5°	1811	1809	1810
10°	1822	1820	1822
15°	1835	1835	1839
20°	1849	1851	1857
25°	1858	1863	1872
30°	1868	1874	1881
35°	1871	1877	1881
40°	1861	1866	1854
45°	1834	1829	1792
50°	1783	1755	1719
55°	1696	1653	1634
60°	1553	1524	1514
65°	1354	1351	1347
70°	1110	1128	1125
75°	880	894	880
80°	645	642	637
85°	429	423	454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	3.4
10°-20°	186.2	9.8
20°-30°	289.4	15.2
30°-40°	356.8	18.8
40°-50°	368.5	19.4
50°-60°	315.3	16.6
60°-70°	210.5	11.1
70°-80°	92.3	4.9
80°-90°	17.9	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°	539.4	28.4
0°-40°	896.2	47.2
0°-60°	1580.1	83.1
0°-90°	1900.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1900.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	670	669	670	669	670	64
15°	659	658	659	659	660	186
25°	626	626	627	629	630	289
35°	570	570	571	572	572	356
45°	482	482	481	476	471	371
55°	362	357	352	350	348	321
65°	213	212	212	213	212	211
75°	85	84	86	86	85	92
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°	671.1	671.1	671.1	671.1	671.1
2.5°	671.5	670.6	670.4	670.4	671.5
5°	670.4	669.4	669.6	669.2	669.9
7.5°	668.7	667.8	668.0	667.8	668.7
10°	666.8	665.9	666.1	665.9	666.8
12.5°	663.5	662.8	663.3	663.5	664.2
15°	658.8	658.1	658.8	659.3	660.2
17.5°	652.6	652.2	652.9	653.6	654.8
20°	645.5	645.1	646.3	647.0	648.4
22.5°	636.8	636.3	637.5	639.2	640.1
25°	625.9	625.9	627.4	629.2	630.4
27.5°	614.4	614.1	615.8	617.7	618.8
30°	601.1	600.7	603.0	604.7	605.4
32.5°	585.8	586.0	588.1	589.8	590.0
35°	569.5	569.5	571.4	572.5	572.5
37.5°	550.8	550.6	552.4	552.9	552.2
40°	529.8	530.0	531.2	530.9	527.9
42.5°	507.1	507.3	508.3	505.0	501.9
45°	482.0	481.8	480.6	476.1	470.9
47.5°	455.3	454.2	452.3	445.4	441.6
50°	425.8	423.9	419.2	413.7	410.7
52.5°	394.6	391.3	386.6	382.3	379.7
55°	361.5	357.0	352.3	350.4	348.3
57.5°	324.7	321.8	317.8	316.9	315.4
60°	288.5	285.4	283.1	283.1	281.4
62.5°	250.7	248.8	247.9	248.3	246.7
65°	212.7	212.2	212.2	212.9	211.5
67.5°	175.8	176.7	176.5	178.9	177.0
70°	141.1	142.7	143.4	145.8	143.0
72.5°	111.1	111.3	112.2	112.9	111.5
75°	84.6	83.9	86.0	85.5	84.6
77.5°	61.2	60.7	61.4	61.9	60.7
80°	41.6	41.1	41.4	42.1	41.1
82.5°	26.2	25.8	25.8	26.5	26.2
85°	13.9	13.7	13.7	14.2	14.7
87.5°	5.0	4.7	5.0	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)