

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: P506192

Luminaire Tested: **22PD-25-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506192
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-25-PL1-L930
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

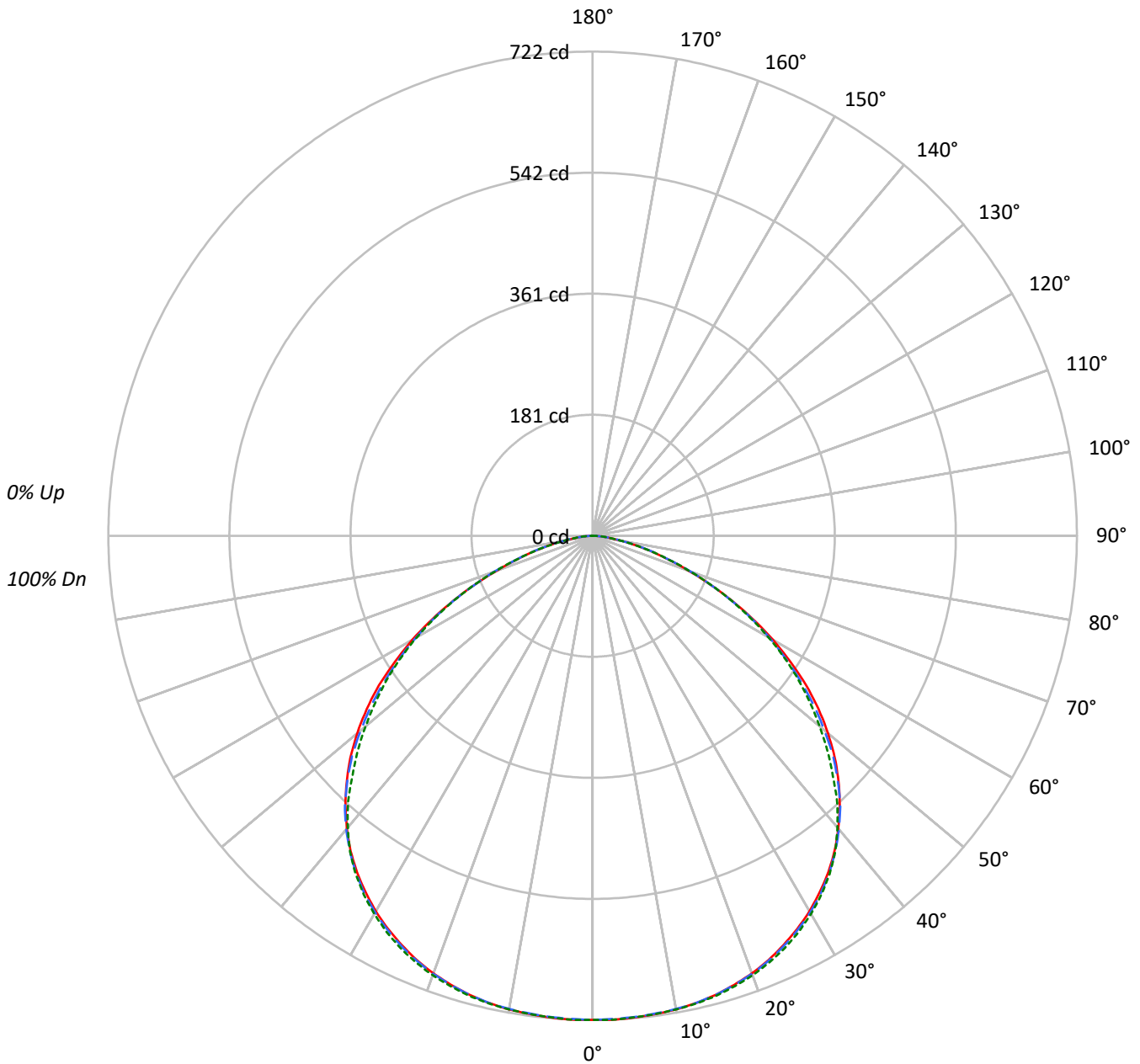
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2044.7 lumens
Efficiency: N/A
Efficacy: 102.7 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): 19.9
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				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				100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72				72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61				61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52				52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40				40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35				35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31				31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28				28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1943	1943	1943
5°	1948	1946	1947
10°	1960	1958	1960
15°	1974	1974	1979
20°	1989	1991	1997
25°	1999	2004	2014
30°	2009	2016	2023
35°	2012	2019	2023
40°	2002	2007	1995
45°	1973	1968	1928
50°	1917	1888	1850
55°	1825	1778	1758
60°	1671	1639	1629
65°	1457	1454	1449
70°	1194	1214	1210
75°	946	962	946
80°	693	690	685
85°	463	454	488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	3.4
10°-20°	200.3	9.8
20°-30°	311.3	15.2
30°-40°	383.8	18.8
40°-50°	396.4	19.4
50°-60°	339.2	16.6
60°-70°	226.4	11.1
70°-80°	99.3	4.9
80°-90°	19.2	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°	580.3	28.4
0°-40°	964.1	47.2
0°-60°	1699.7	83.1
0°-90°	2044.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2044.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	722	722	722	722	722	
5°	721	720	720	720	721	69
15°	709	708	709	709	710	200
25°	673	673	675	677	678	311
35°	613	613	615	616	616	383
45°	518	518	517	512	507	399
55°	389	384	379	377	375	346
65°	229	228	228	229	228	227
75°	91	90	92	92	91	99
85°	15	15	15	15	16	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	721.9	721.9	721.9	721.9	721.9
2.5°	722.4	721.4	721.1	721.1	722.4
5°	721.1	720.1	720.4	719.8	720.6
7.5°	719.3	718.3	718.6	718.3	719.3
10°	717.3	716.3	716.5	716.3	717.3
12.5°	713.7	713.0	713.5	713.7	714.5
15°	708.7	707.9	708.7	709.2	710.2
17.5°	702.1	701.5	702.3	703.1	704.3
20°	694.4	693.9	695.2	696.0	697.5
22.5°	685.0	684.5	685.8	687.6	688.6
25°	673.3	673.3	674.9	676.9	678.2
27.5°	660.9	660.6	662.4	664.4	665.7
30°	646.6	646.1	648.7	650.5	651.2
32.5°	630.1	630.4	632.7	634.4	634.7
35°	612.6	612.6	614.6	615.9	615.9
37.5°	592.5	592.2	594.3	594.8	594.0
40°	569.9	570.1	571.4	571.1	567.8
42.5°	545.5	545.7	546.7	543.2	539.9
45°	518.5	518.3	517.0	512.2	506.6
47.5°	489.8	488.5	486.5	479.1	475.1
50°	458.0	456.0	450.9	445.1	441.8
52.5°	424.5	420.9	415.8	411.3	408.5
55°	388.9	384.1	379.0	377.0	374.7
57.5°	349.2	346.2	341.9	340.9	339.3
60°	310.4	307.1	304.5	304.5	302.7
62.5°	269.7	267.7	266.6	267.1	265.4
65°	228.8	228.3	228.3	229.0	227.5
67.5°	189.1	190.1	189.9	192.4	190.4
70°	151.7	153.5	154.3	156.8	153.8
72.5°	119.5	119.7	120.7	121.5	120.0
75°	91.0	90.2	92.5	92.0	91.0
77.5°	65.8	65.3	66.1	66.6	65.3
80°	44.7	44.2	44.5	45.2	44.2
82.5°	28.2	27.7	27.7	28.5	28.2
85°	15.0	14.7	14.7	15.3	15.8
87.5°	5.3	5.1	5.3	5.3	5.3
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)