

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: P506167

Luminaire Tested: **22PD-20-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506167
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-L940
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

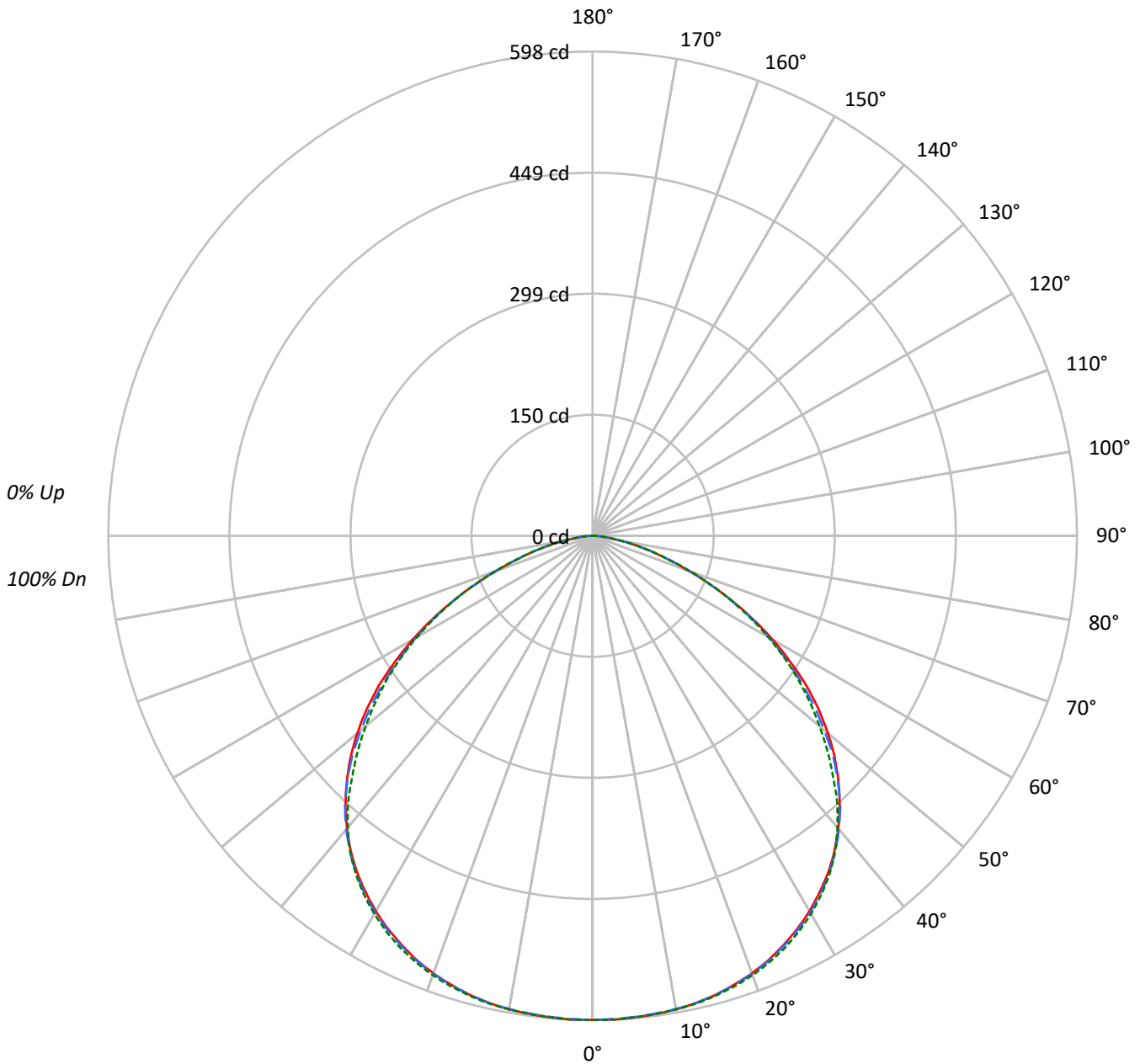
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1693.3 lumens
Efficiency: N/A
Efficacy: 105.2 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

TEST NUMBER: P506167
CATALOG NUMBER: 22PD-20-PL1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P506167

CATALOG NUMBER: 22PD-20-PL1-L940

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°	1609	1609	1609
5°	1613	1612	1612
10°	1623	1621	1623
15°	1635	1635	1638
20°	1647	1649	1654
25°	1656	1659	1667
30°	1664	1669	1676
35°	1667	1672	1675
40°	1658	1662	1652
45°	1634	1630	1596
50°	1588	1563	1532
55°	1511	1473	1456
60°	1383	1357	1349
65°	1207	1203	1200
70°	989	1006	1002
75°	784	796	784
80°	573	570	567
85°	383	377	404



TEST NUMBER: P506167

CATALOG NUMBER: 22PD-20-PL1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	3.4
10°-20°	165.9	9.8
20°-30°	257.8	15.2
30°-40°	317.8	18.8
40°-50°	328.3	19.4
50°-60°	280.9	16.6
60°-70°	187.5	11.1
70°-80°	82.3	4.9
80°-90°	15.9	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°	480.6	28.4
0°-40°	798.4	47.2
0°-60°	1407.6	83.1
0°-90°	1693.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1693.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	597	596	597	596	597	57
15°	587	586	587	587	588	166
25°	558	558	559	561	562	257
35°	507	507	509	510	510	317
45°	429	429	428	424	420	331
55°	322	318	314	312	310	286
65°	190	189	189	190	188	188
75°	75	75	77	76	75	82
85°	12	12	12	13	13	16
90°	0	0	0	0	0	



TEST NUMBER: P506167

CATALOG NUMBER: 22PD-20-PL1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	597.8	597.8	597.8	597.8	597.8
2.5°	598.2	597.4	597.2	597.2	598.2
5°	597.2	596.4	596.6	596.1	596.8
7.5°	595.7	594.9	595.1	594.9	595.7
10°	594.0	593.2	593.4	593.2	594.0
12.5°	591.1	590.5	590.9	591.1	591.7
15°	586.9	586.2	586.9	587.3	588.1
17.5°	581.4	581.0	581.6	582.2	583.3
20°	575.1	574.7	575.7	576.4	577.6
22.5°	567.3	566.9	567.9	569.4	570.3
25°	557.6	557.6	558.9	560.6	561.6
27.5°	547.3	547.1	548.6	550.3	551.3
30°	535.5	535.1	537.2	538.7	539.3
32.5°	521.8	522.0	523.9	525.4	525.6
35°	507.3	507.3	509.0	510.0	510.0
37.5°	490.7	490.5	492.2	492.6	491.9
40°	471.9	472.2	473.2	473.0	470.3
42.5°	451.7	451.9	452.8	449.8	447.1
45°	429.4	429.2	428.2	424.2	419.5
47.5°	405.6	404.6	402.9	396.8	393.4
50°	379.3	377.6	373.4	368.6	365.9
52.5°	351.5	348.6	344.4	340.6	338.3
55°	322.1	318.1	313.9	312.2	310.3
57.5°	289.2	286.7	283.1	282.3	281.0
60°	257.0	254.3	252.2	252.2	250.7
62.5°	223.3	221.7	220.8	221.2	219.8
65°	189.5	189.0	189.0	189.7	188.4
67.5°	156.6	157.5	157.2	159.4	157.7
70°	125.7	127.1	127.8	129.9	127.4
72.5°	98.9	99.1	100.0	100.6	99.4
75°	75.4	74.7	76.6	76.2	75.4
77.5°	54.5	54.1	54.7	55.2	54.1
80°	37.0	36.6	36.8	37.5	36.6
82.5°	23.4	22.9	22.9	23.6	23.4
85°	12.4	12.2	12.2	12.6	13.1
87.5°	4.4	4.2	4.4	4.4	4.4
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)