

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: P506338

Luminaire Tested: **22PD-50-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-50-PR1-L940
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

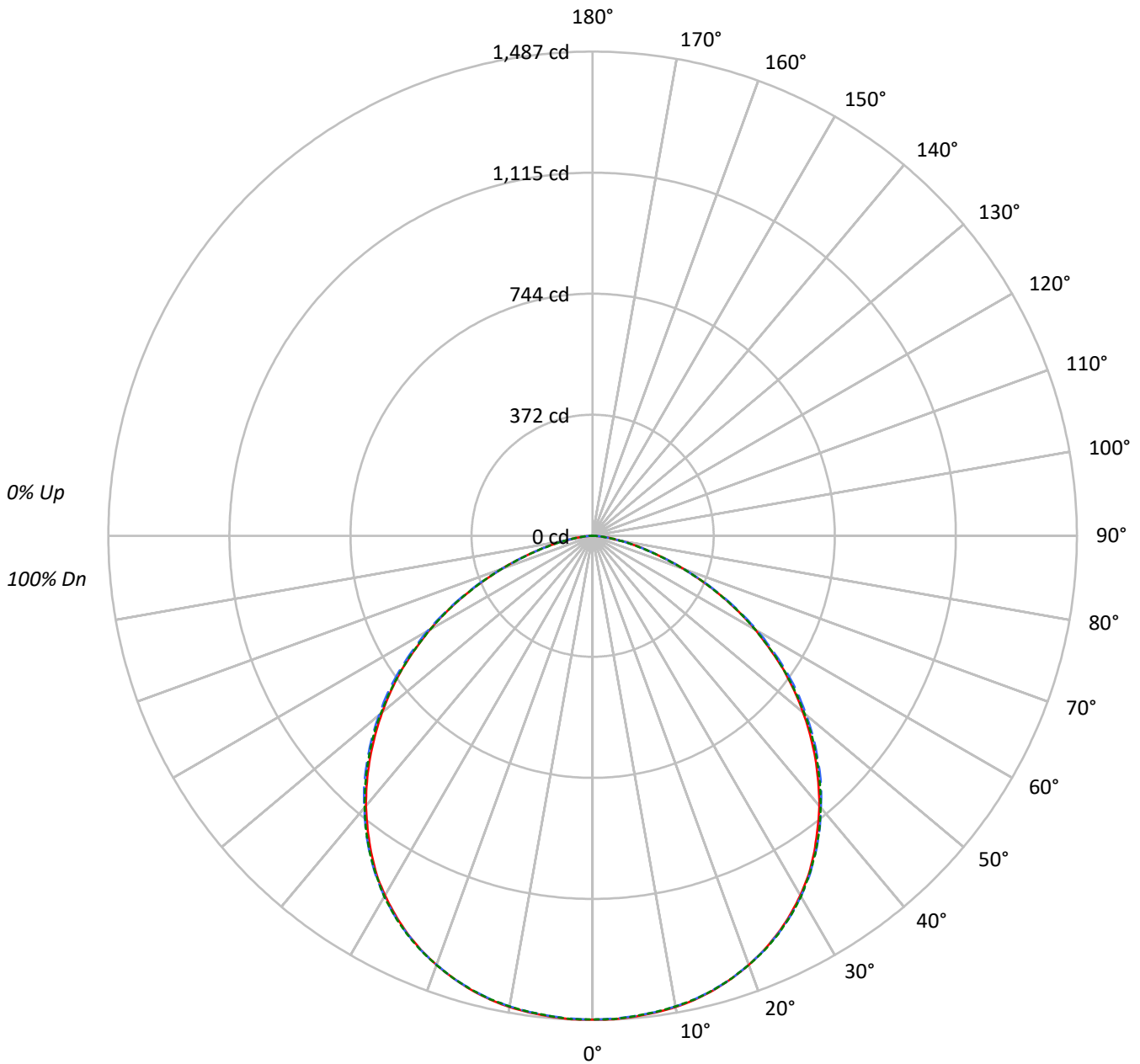
Lumens per Lamp: N/A
Luminaire Lumens: 3970.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.9
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

TEST NUMBER: P506338

CATALOG NUMBER: 22PD-50-PR1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P506338

CATALOG NUMBER: 22PD-50-PR1-L940

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			100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3998	3998	3998
5°	4004	4001	4001
10°	4016	4011	4011
15°	4021	4017	4019
20°	4016	4014	4017
25°	3999	4003	4006
30°	3962	3975	3976
35°	3896	3917	3915
40°	3805	3831	3826
45°	3680	3727	3708
50°	3531	3585	3556
55°	3351	3405	3356
60°	3107	3150	3096
65°	2772	2800	2769
70°	2331	2331	2316
75°	1827	1827	1806
80°	1339	1323	1316
85°	874	874	889



TEST NUMBER: P506338

CATALOG NUMBER: 22PD-50-PR1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	3.6
10°-20°	407.1	10.3
20°-30°	621.0	15.6
30°-40°	744.3	18.7
40°-50°	751.7	18.9
50°-60°	643.1	16.2
60°-70°	433.7	10.9
70°-80°	191.3	4.8
80°-90°	36.7	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°	1169.1	29.4
0°-40°	1913.4	48.2
0°-60°	3308.2	83.3
0°-90°	3970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3970.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1486	1486	1486	1486	1486	
5°	1482	1480	1481	1480	1481	141
15°	1444	1443	1442	1442	1442	407
25°	1347	1348	1348	1348	1349	620
35°	1186	1193	1192	1191	1192	741
45°	967	974	979	978	974	745
55°	714	721	726	725	715	636
65°	435	439	440	439	435	430
75°	176	176	176	176	174	191
85°	28	28	28	29	29	37
90°	0	0	0	0	0	



TEST NUMBER: P506338

CATALOG NUMBER: 22PD-50-PR1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1485.7	1485.7	1485.7	1485.7	1485.7
2.5°	1486.7	1484.7	1484.2	1483.7	1485.7
5°	1482.2	1480.2	1481.2	1480.2	1481.2
7.5°	1476.8	1474.8	1475.3	1474.3	1475.3
10°	1469.8	1467.8	1467.8	1466.8	1467.8
12.5°	1458.9	1457.4	1456.9	1455.9	1457.4
15°	1443.5	1443.0	1442.0	1441.5	1442.5
17.5°	1424.7	1423.7	1424.7	1423.2	1424.2
20°	1402.3	1402.8	1401.8	1402.3	1402.8
22.5°	1377.0	1377.0	1377.5	1377.5	1378.5
25°	1346.7	1348.2	1348.2	1348.2	1349.2
27.5°	1313.0	1314.9	1316.4	1315.4	1316.4
30°	1275.2	1278.7	1279.2	1278.7	1279.7
32.5°	1234.5	1237.0	1238.5	1237.5	1236.5
35°	1185.9	1192.8	1192.3	1191.3	1191.8
37.5°	1134.8	1141.7	1144.2	1142.2	1142.7
40°	1083.1	1089.1	1090.6	1091.1	1089.1
42.5°	1026.0	1033.0	1038.5	1036.0	1033.0
45°	967.0	974.4	979.4	977.9	974.4
47.5°	905.9	912.9	919.8	917.3	913.9
50°	843.4	850.3	856.3	855.3	849.3
52.5°	779.3	787.3	792.7	790.8	782.8
55°	714.3	720.8	725.7	724.7	715.3
57.5°	643.8	652.3	654.7	653.3	646.3
60°	577.3	582.8	585.2	583.3	575.3
62.5°	506.3	510.8	512.8	512.3	506.8
65°	435.3	438.8	439.8	438.8	434.8
67.5°	362.4	367.3	367.8	367.8	363.9
70°	296.3	297.8	296.3	300.3	294.4
72.5°	232.3	233.3	232.3	232.3	229.8
75°	175.7	176.2	175.7	176.2	173.7
77.5°	127.1	128.1	126.1	127.6	125.1
80°	86.4	86.4	85.4	85.9	84.9
82.5°	53.6	54.6	53.1	53.1	52.6
85°	28.3	28.3	28.3	28.8	28.8
87.5°	9.9	9.9	10.4	10.4	9.9
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)