

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: P506329

Luminaire Tested: **22PD-50-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506329
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-50-PL1-L940
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

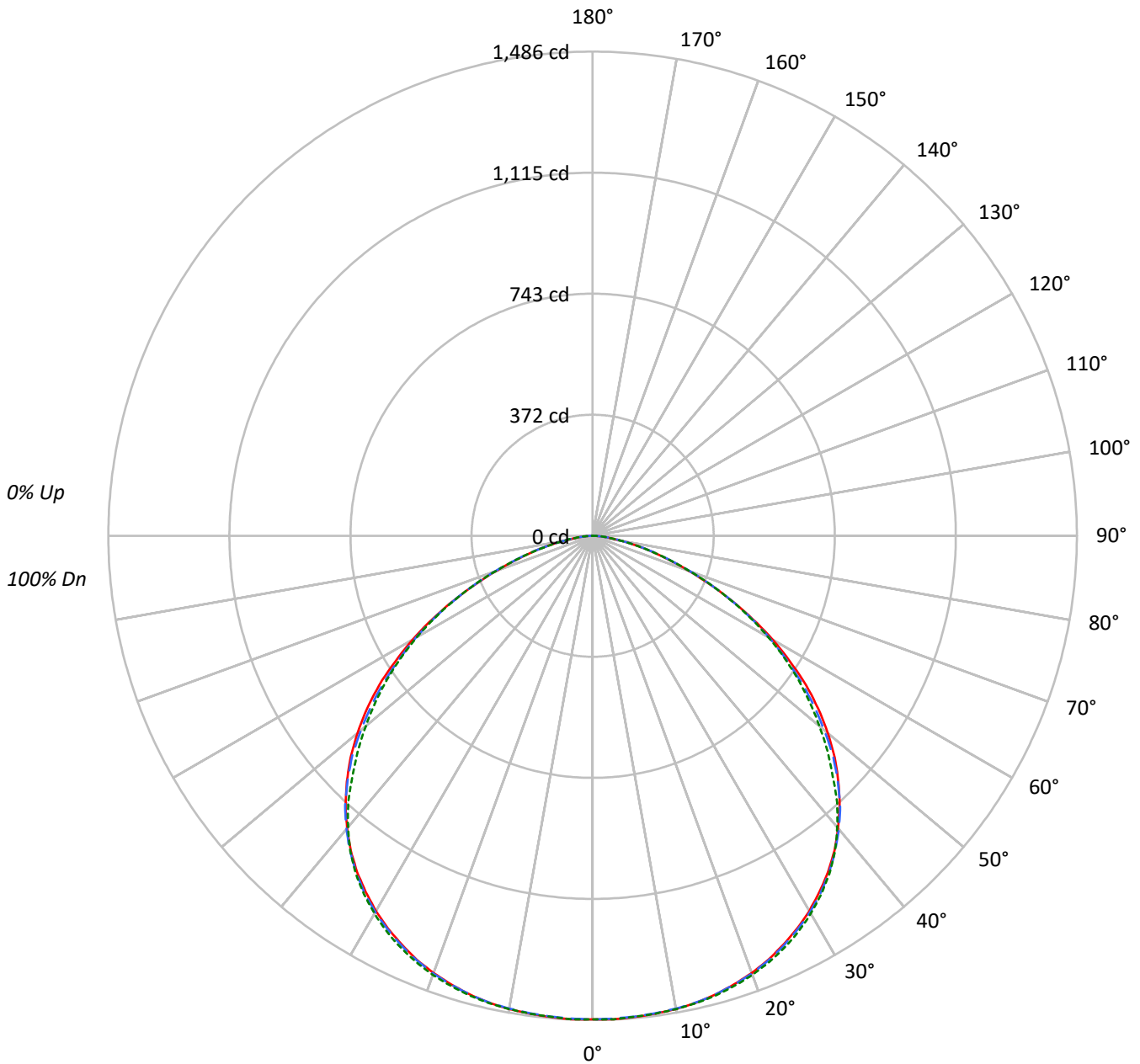
Lumens per Lamp: N/A
Luminaire Lumens: 4204.5 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	63	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°	3994	3994	3994
5°	4005	4001	4003
10°	4030	4026	4030
15°	4060	4060	4069
20°	4089	4094	4107
25°	4111	4120	4141
30°	4132	4145	4161
35°	4138	4152	4160
40°	4116	4128	4102
45°	4058	4046	3964
50°	3943	3882	3803
55°	3752	3656	3614
60°	3435	3370	3350
65°	2995	2989	2979
70°	2455	2496	2488
75°	1945	1979	1945
80°	1426	1418	1409
85°	951	936	1000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	3.4
10°-20°	411.9	9.8
20°-30°	640.2	15.2
30°-40°	789.2	18.8
40°-50°	815.2	19.4
50°-60°	697.5	16.6
60°-70°	465.6	11.1
70°-80°	204.3	4.9
80°-90°	39.5	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°	1193.2	28.4
0°-40°	1982.4	47.2
0°-60°	3495.2	83.1
0°-90°	4204.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4204.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1483	1481	1481	1480	1482	141
15°	1457	1456	1457	1458	1460	412
25°	1385	1385	1388	1392	1394	639
35°	1260	1260	1264	1266	1266	787
45°	1066	1066	1063	1053	1042	821
55°	800	790	779	775	770	711
65°	470	469	469	471	468	467
75°	187	186	190	189	187	203
85°	31	30	30	31	32	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1484.4	1484.4	1484.4	1484.4	1484.4
2.5°	1485.5	1483.4	1482.8	1482.8	1485.5
5°	1482.8	1480.7	1481.3	1480.2	1481.8
7.5°	1479.2	1477.1	1477.6	1477.1	1479.2
10°	1475.0	1472.9	1473.4	1472.9	1475.0
12.5°	1467.7	1466.1	1467.2	1467.7	1469.2
15°	1457.2	1455.7	1457.2	1458.3	1460.4
17.5°	1443.6	1442.6	1444.2	1445.7	1448.3
20°	1428.0	1426.9	1429.5	1431.1	1434.2
22.5°	1408.6	1407.6	1410.2	1413.8	1415.9
25°	1384.6	1384.6	1387.7	1391.9	1394.5
27.5°	1359.0	1358.4	1362.1	1366.3	1368.9
30°	1329.7	1328.6	1333.9	1337.5	1339.1
32.5°	1295.7	1296.2	1300.9	1304.6	1305.1
35°	1259.7	1259.7	1263.8	1266.4	1266.4
37.5°	1218.4	1217.8	1222.0	1223.1	1221.5
40°	1171.8	1172.4	1175.0	1174.5	1167.7
42.5°	1121.7	1122.2	1124.3	1117.0	1110.2
45°	1066.3	1065.7	1063.1	1053.2	1041.7
47.5°	1007.2	1004.6	1000.4	985.2	976.9
50°	941.9	937.7	927.2	915.2	908.4
52.5°	872.9	865.6	855.1	845.7	839.9
55°	799.7	789.8	779.3	775.1	770.4
57.5°	718.2	711.9	703.0	700.9	697.8
60°	638.2	631.4	626.2	626.2	622.5
62.5°	554.6	550.4	548.3	549.3	545.7
65°	470.4	469.4	469.4	470.9	467.8
67.5°	388.9	391.0	390.4	395.7	391.5
70°	312.0	315.7	317.3	322.5	316.2
72.5°	245.7	246.2	248.3	249.8	246.7
75°	187.1	185.6	190.3	189.2	187.1
77.5°	135.4	134.3	135.9	136.9	134.3
80°	92.0	90.9	91.5	93.0	90.9
82.5°	58.0	57.0	57.0	58.5	58.0
85°	30.8	30.3	30.3	31.4	32.4
87.5°	11.0	10.5	11.0	11.0	11.0
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)