

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: P505988

Luminaire Tested: **14PD-50-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-50-PR1-L950
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

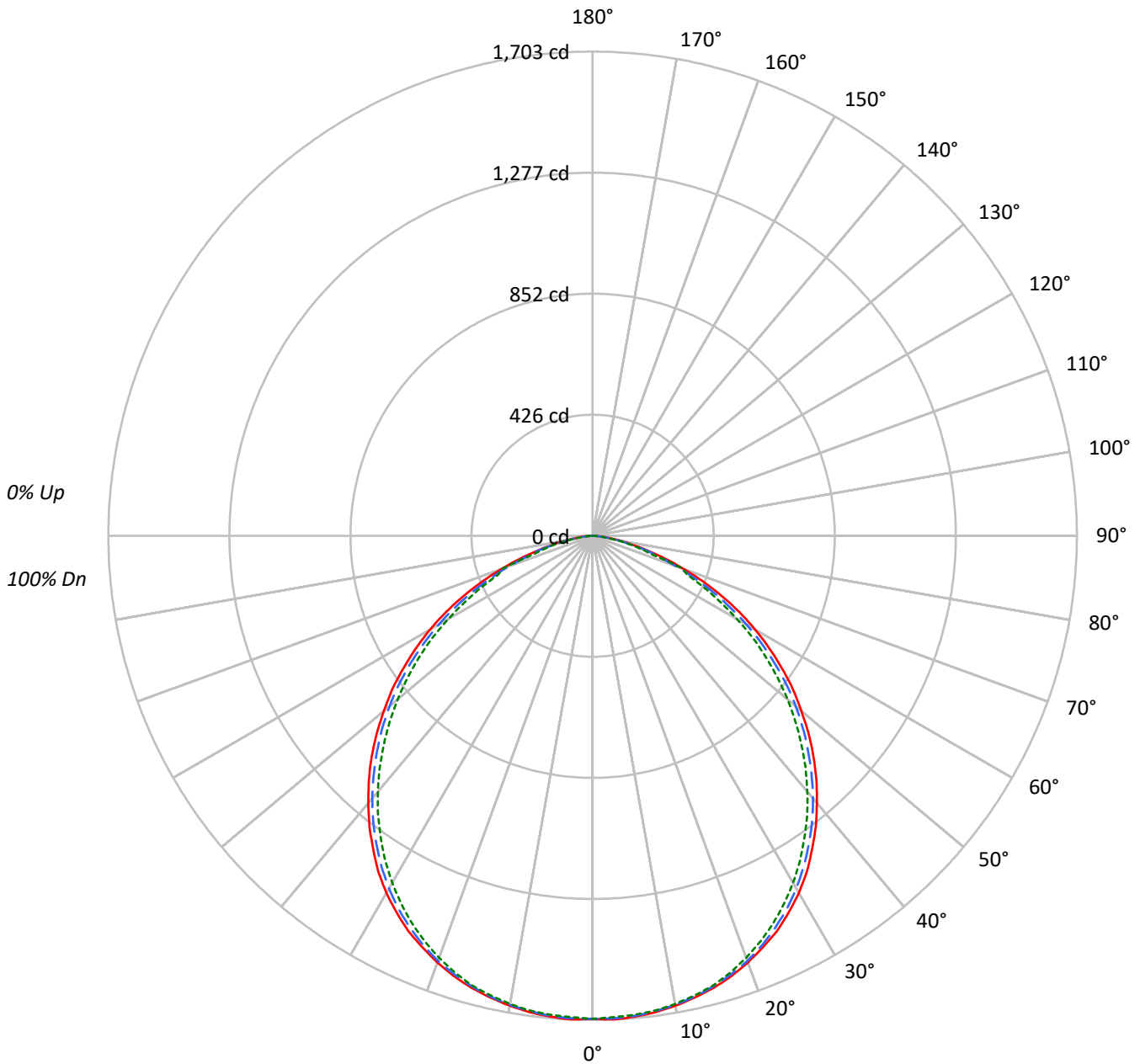
Lumens per Lamp: N/A
Luminaire Lumens: 4372.0 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.6
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: P505988

CATALOG NUMBER: 14PD-50-PR1-L950

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	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4571	4571	4571
5°	4587	4580	4569
10°	4587	4578	4568
15°	4585	4571	4562
20°	4573	4556	4523
25°	4554	4515	4464
30°	4507	4450	4379
35°	4420	4353	4265
40°	4310	4236	4126
45°	4182	4080	3951
50°	4008	3903	3744
55°	3813	3663	3490
60°	3550	3365	3157
65°	3188	2963	2770
70°	2681	2443	2641
75°	2065	1986	1785
80°	1486	1330	1265
85°	908	778	701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	3.7
10°-20°	462.6	10.6
20°-30°	698.8	16.0
30°-40°	826.7	18.9
40°-50°	824.3	18.9
50°-60°	696.4	15.9
60°-70°	464.0	10.6
70°-80°	201.6	4.6
80°-90°	36.6	0.8
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°	1322.5	30.2
0°-40°	2149.2	49.2
0°-60°	3669.9	83.9
0°-90°	4372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4372.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1699	1699	1699	1699	1699	
5°	1698	1691	1696	1694	1691	161
15°	1646	1638	1641	1638	1637	465
25°	1534	1524	1520	1507	1504	706
35°	1345	1336	1325	1308	1298	841
45°	1099	1089	1072	1049	1038	846
55°	813	807	781	756	744	726
65°	501	495	465	445	435	495
75°	199	194	191	184	172	217
85°	29	30	25	24	23	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1698.8	1698.8	1698.8	1698.8	1698.8
2.5°	1703.0	1695.5	1698.8	1698.8	1694.6
5°	1698.0	1691.3	1695.5	1693.8	1691.3
7.5°	1690.4	1683.7	1686.2	1685.4	1684.5
10°	1678.6	1671.9	1675.3	1673.6	1671.9
12.5°	1663.5	1656.8	1660.1	1657.6	1655.9
15°	1645.8	1638.3	1640.8	1638.3	1637.4
17.5°	1624.0	1616.4	1617.2	1613.9	1610.5
20°	1597.0	1590.3	1591.1	1582.7	1579.4
22.5°	1565.9	1559.2	1558.3	1547.4	1543.2
25°	1533.9	1523.8	1520.5	1507.0	1503.6
27.5°	1493.5	1484.3	1479.2	1464.9	1458.2
30°	1450.6	1440.5	1432.1	1416.1	1409.4
32.5°	1401.8	1391.7	1380.8	1364.0	1356.4
35°	1345.4	1336.2	1325.2	1307.6	1298.3
37.5°	1289.1	1279.0	1268.0	1247.0	1239.4
40°	1226.8	1217.5	1205.8	1183.0	1174.6
42.5°	1164.5	1153.6	1139.3	1117.4	1108.2
45°	1098.9	1088.8	1072.0	1049.3	1038.3
47.5°	1029.9	1021.5	1003.8	979.4	967.6
50°	957.5	950.8	932.3	905.4	894.4
52.5°	888.5	879.3	858.3	831.3	819.5
55°	812.8	806.9	780.8	755.6	743.8
57.5°	737.1	729.5	703.4	678.2	667.3
60°	659.7	652.9	625.2	599.9	586.5
62.5°	581.4	573.9	544.4	521.7	509.1
65°	500.6	494.8	465.3	445.1	435.0
67.5°	419.9	415.7	384.5	367.7	360.1
70°	340.8	334.9	310.5	303.8	335.7
72.5°	267.6	260.0	239.0	228.0	219.6
75°	198.6	194.4	191.0	184.3	171.7
77.5°	139.7	138.8	127.1	117.8	127.1
80°	95.9	99.3	85.8	78.3	81.6
82.5°	58.9	65.6	51.3	45.4	43.8
85°	29.4	30.3	25.2	23.6	22.7
87.5°	10.9	12.6	10.9	9.3	9.3
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)