

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: P505997

Luminaire Tested: **14PD-50-PW1-L950**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P505997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-50-PW1-L950
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

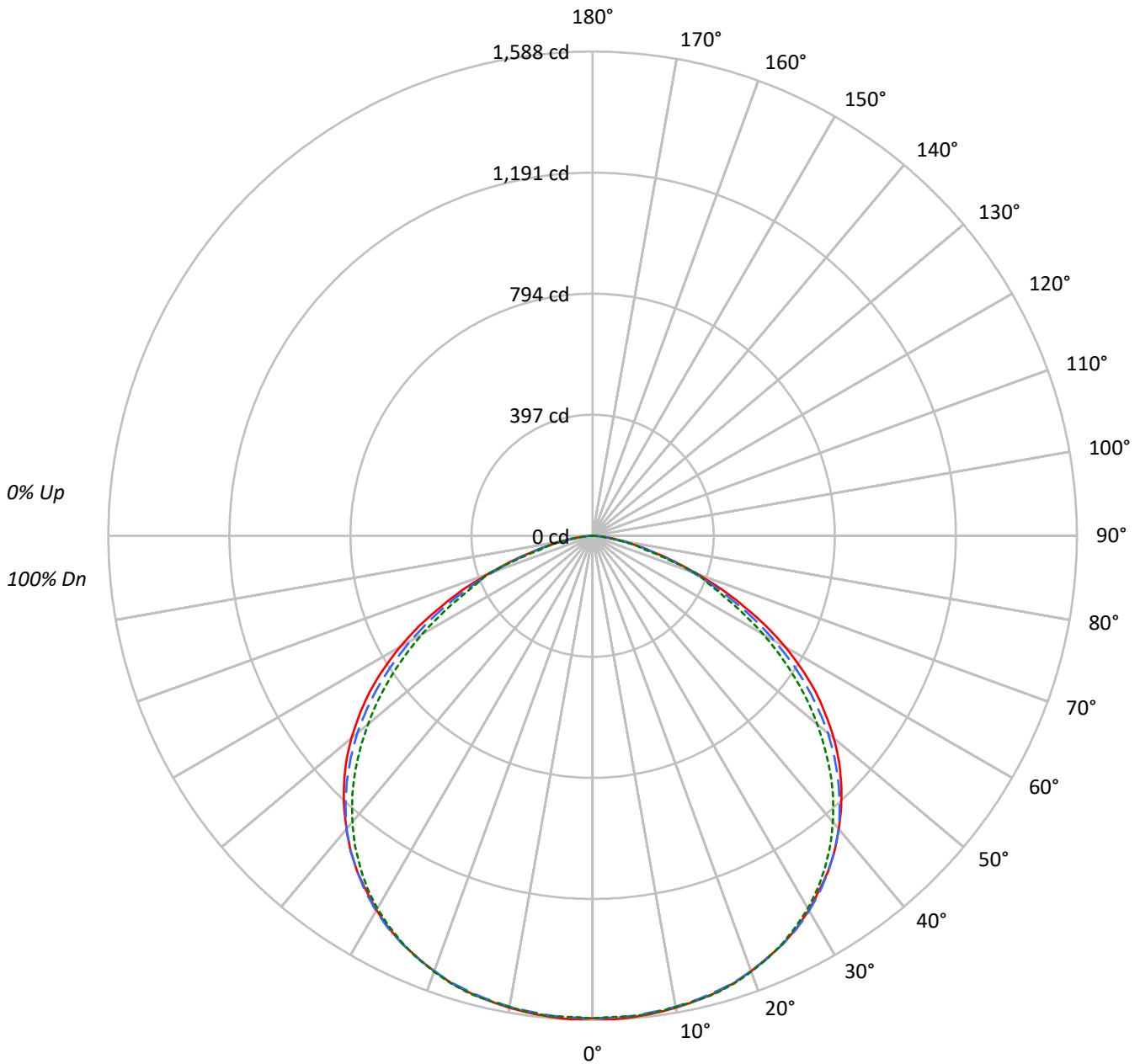
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4506.3 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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

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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	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4258	4258	4258
5°	4279	4267	4272
10°	4297	4285	4287
15°	4326	4316	4331
20°	4352	4349	4357
25°	4385	4385	4377
30°	4405	4414	4386
35°	4419	4419	4364
40°	4411	4408	4305
45°	4387	4337	4197
50°	4321	4216	4025
55°	4188	4012	3794
60°	3923	3707	3476
65°	3474	3275	3058
70°	2836	2710	2857
75°	2139	2101	1888
80°	1539	1441	1441
85°	966	911	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	3.3
10°-20°	438.0	9.7
20°-30°	679.9	15.1
30°-40°	837.5	18.6
40°-50°	871.9	19.3
50°-60°	758.2	16.8
60°-70°	509.4	11.3
70°-80°	220.5	4.9
80°-90°	40.5	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°	1268.4	28.1
0°-40°	2105.8	46.7
0°-60°	3735.9	82.9
0°-90°	4506.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4506.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1582	1582	1582	1582	1582	
5°	1584	1574	1580	1583	1581	151
15°	1553	1542	1549	1555	1555	439
25°	1477	1470	1477	1477	1474	681
35°	1345	1342	1345	1334	1328	841
45°	1153	1149	1140	1114	1103	888
55°	893	877	855	821	809	793
65°	546	536	514	490	480	540
75°	206	208	202	207	182	227
85°	31	32	30	26	26	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1582.3	1582.3	1582.3	1582.3	1582.3
2.5°	1587.6	1577.8	1581.4	1586.8	1579.6
5°	1584.1	1574.2	1579.6	1583.2	1581.4
7.5°	1578.7	1571.5	1574.2	1577.8	1576.9
10°	1572.4	1565.3	1568.0	1571.5	1568.9
12.5°	1562.6	1554.6	1559.9	1563.5	1562.6
15°	1552.8	1542.0	1549.2	1554.6	1554.6
17.5°	1538.5	1529.5	1536.7	1541.1	1540.2
20°	1519.7	1513.4	1518.8	1522.4	1521.5
22.5°	1498.2	1493.7	1500.0	1500.0	1500.0
25°	1476.7	1469.6	1476.7	1476.7	1474.1
27.5°	1449.0	1442.7	1451.7	1449.0	1444.5
30°	1417.7	1414.1	1420.4	1415.9	1411.4
32.5°	1381.0	1379.2	1385.5	1376.6	1373.0
35°	1345.2	1341.7	1345.2	1333.6	1328.3
37.5°	1303.2	1299.6	1303.2	1288.0	1280.0
40°	1255.8	1253.1	1254.9	1235.2	1225.4
42.5°	1206.6	1203.9	1199.5	1175.3	1167.3
45°	1152.9	1149.4	1139.5	1113.6	1102.9
47.5°	1095.7	1089.4	1075.1	1047.4	1033.1
50°	1032.2	1023.2	1007.1	976.7	961.5
52.5°	963.3	952.6	932.0	901.6	887.3
55°	892.7	876.6	855.1	821.1	808.6
57.5°	812.2	795.2	772.8	741.5	727.2
60°	729.0	712.0	688.7	660.1	645.8
62.5°	640.4	625.2	602.0	575.1	562.6
65°	545.6	535.8	514.3	490.2	480.3
67.5°	456.2	446.3	428.4	407.9	411.4
70°	360.5	359.6	344.4	330.1	363.1
72.5°	280.9	279.1	271.0	263.9	262.1
75°	205.7	207.5	202.1	206.6	181.6
77.5°	144.9	146.7	145.8	133.3	139.5
80°	99.3	99.3	93.0	88.6	93.0
82.5°	59.9	71.6	64.4	52.8	51.0
85°	31.3	32.2	29.5	25.9	25.9
87.5°	11.6	13.4	11.6	10.7	9.8
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)