

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: P505976

Luminaire Tested: **14PD-50-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-50-PL1-L930
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

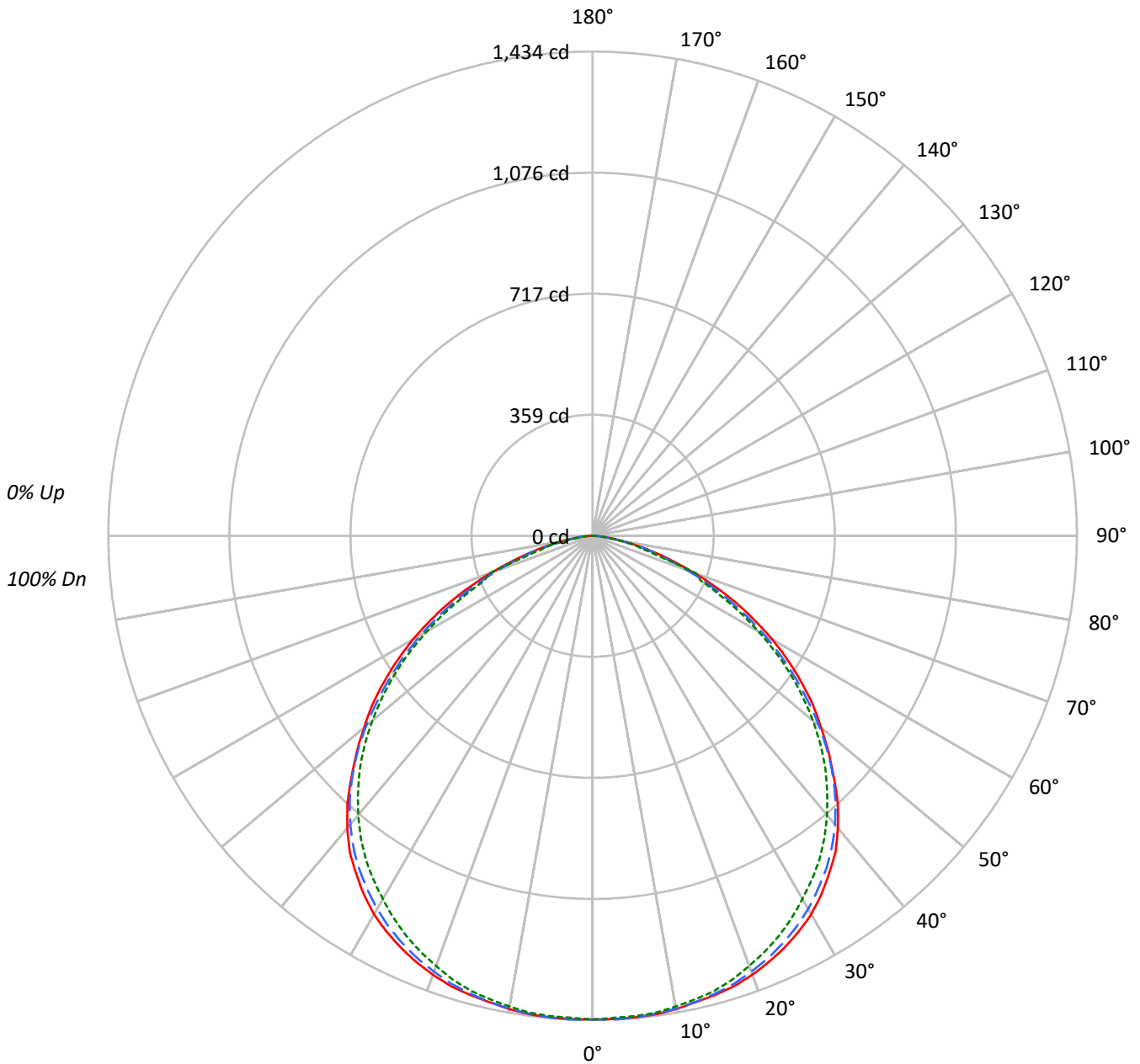
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3982.0 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3855	3855	3855
5°	3868	3870	3857
10°	3889	3885	3868
15°	3921	3910	3886
20°	3961	3934	3882
25°	3995	3955	3880
30°	4022	3966	3860
35°	4011	3960	3846
40°	3969	3922	3792
45°	3841	3830	3707
50°	3696	3663	3564
55°	3536	3433	3355
60°	3303	3155	3049
65°	2975	2790	2640
70°	2489	2334	2563
75°	1963	1889	1637
80°	1415	1255	1280
85°	898	753	704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	3.4
10°-20°	396.0	9.9
20°-30°	612.2	15.4
30°-40°	749.3	18.8
40°-50°	768.1	19.3
50°-60°	654.2	16.4
60°-70°	437.2	11.0
70°-80°	193.7	4.9
80°-90°	35.0	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°	1144.4	28.7
0°-40°	1893.7	47.6
0°-60°	3316.0	83.3
0°-90°	3982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1433	1433	1433	1433	1433	
5°	1432	1429	1433	1432	1428	136
15°	1408	1403	1404	1400	1395	398
25°	1345	1341	1332	1315	1307	620
35°	1221	1218	1205	1179	1171	764
45°	1009	1013	1006	984	974	779
55°	754	750	732	717	715	672
65°	467	463	438	419	415	461
75°	189	191	182	182	157	204
85°	29	28	24	24	23	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1432.7	1432.7	1432.7	1432.7	1432.7
2.5°	1432.7	1430.4	1434.3	1435.9	1428.8
5°	1431.9	1428.8	1432.7	1431.9	1428.0
7.5°	1429.6	1424.1	1428.0	1426.4	1424.9
10°	1423.3	1418.6	1421.7	1419.4	1415.4
12.5°	1414.6	1411.5	1413.8	1411.5	1406.0
15°	1407.5	1402.8	1403.6	1399.7	1395.0
17.5°	1398.1	1391.0	1391.0	1383.2	1377.7
20°	1383.2	1376.9	1373.7	1362.7	1355.6
22.5°	1365.8	1361.1	1354.8	1340.7	1332.8
25°	1345.4	1340.7	1332.0	1314.7	1306.8
27.5°	1321.8	1315.5	1306.1	1285.6	1276.2
30°	1294.3	1286.4	1276.2	1253.3	1242.3
32.5°	1260.4	1254.9	1241.5	1217.9	1207.7
35°	1221.1	1217.9	1205.3	1178.6	1170.7
37.5°	1181.0	1174.7	1163.6	1135.3	1127.5
40°	1129.8	1125.9	1116.4	1088.9	1079.5
42.5°	1074.7	1072.4	1064.5	1038.5	1028.3
45°	1009.4	1012.6	1006.3	983.5	974.0
47.5°	947.3	945.7	943.3	922.9	915.0
50°	882.8	879.6	874.9	858.4	851.3
52.5°	822.2	815.9	803.3	789.1	784.4
55°	753.7	749.8	731.7	716.8	715.2
57.5°	684.5	682.1	660.1	642.8	642.8
60°	613.7	610.5	586.2	568.1	566.5
62.5°	539.7	537.4	512.2	491.7	492.5
65°	467.3	463.4	438.2	418.6	414.6
67.5°	391.8	390.2	365.9	347.8	346.2
70°	316.3	316.3	296.6	280.9	325.7
72.5°	249.4	247.0	231.3	224.2	214.0
75°	188.8	191.2	181.7	182.5	157.4
77.5°	134.5	130.6	126.7	118.0	125.1
80°	91.3	88.9	81.0	78.7	82.6
82.5°	56.6	57.4	50.4	45.6	44.8
85°	29.1	28.3	24.4	23.6	22.8
87.5°	11.0	11.8	10.2	9.4	8.7
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)