

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: P506678

Luminaire Tested: **24PD-50-PL1-L930**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-50-PL1-L930
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

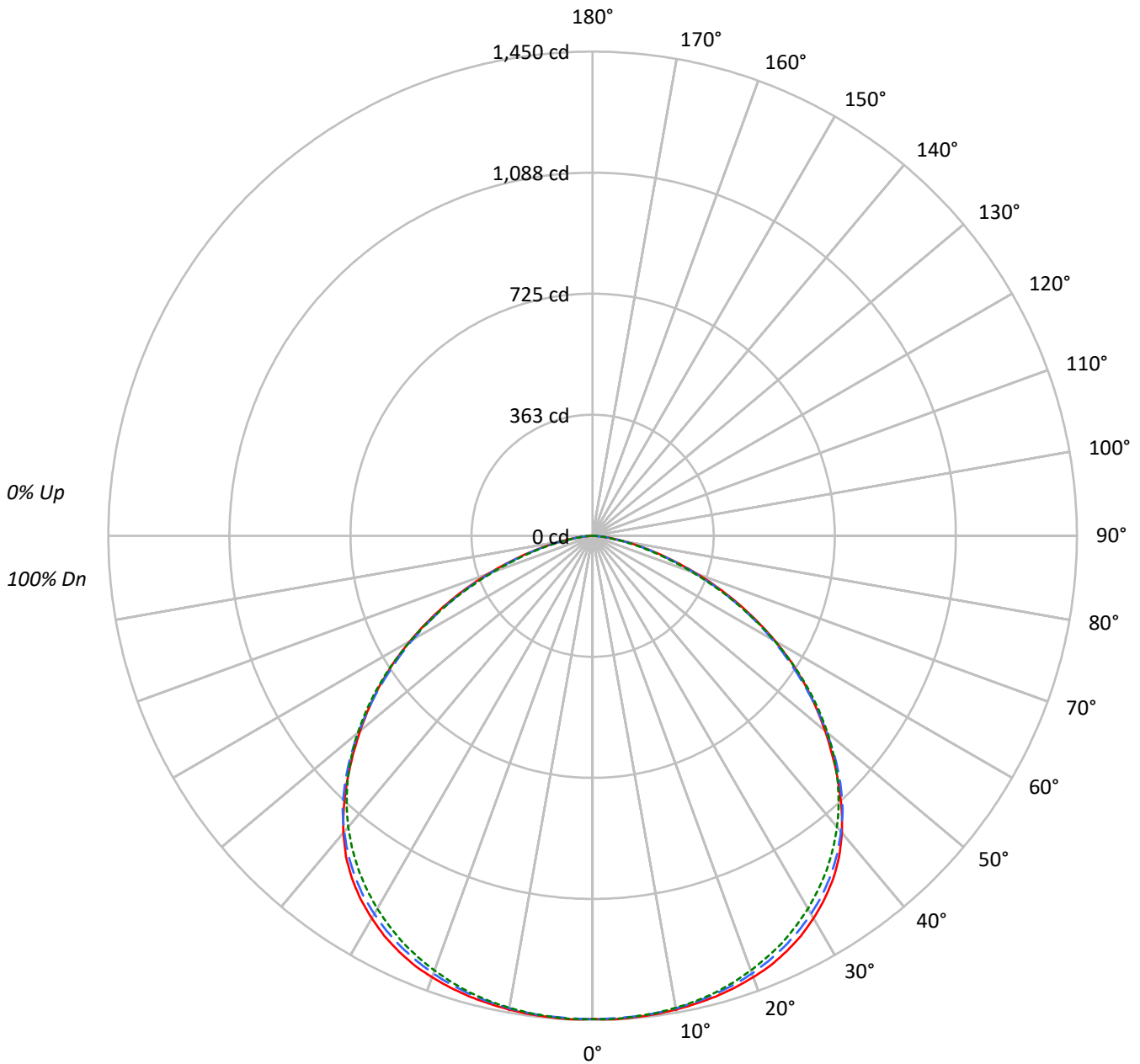
Lumens per Lamp: N/A
Luminaire Lumens: 4152.5 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.1
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				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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52				52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1948	1948	1948
5°	1955	1952	1952
10°	1968	1963	1961
15°	1989	1979	1973
20°	2014	1998	1984
25°	2039	2016	1995
30°	2055	2032	2003
35°	2062	2041	2007
40°	2040	2032	1999
45°	1978	1996	1974
50°	1901	1915	1922
55°	1819	1805	1832
60°	1701	1674	1695
65°	1531	1500	1499
70°	1304	1274	1244
75°	1026	1003	962
80°	734	713	673
85°	434	428	398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	3.3
10°-20°	401.8	9.7
20°-30°	626.3	15.1
30°-40°	775.0	18.7
40°-50°	803.4	19.3
50°-60°	691.8	16.7
60°-70°	469.4	11.3
70°-80°	209.4	5.0
80°-90°	37.7	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°	1165.8	28.1
0°-40°	1940.9	46.7
0°-60°	3436.0	82.7
0°-90°	4152.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4152.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1448	1448	1448	1448	1448	
5°	1448	1446	1445	1445	1446	138
15°	1428	1424	1421	1418	1417	404
25°	1373	1368	1358	1348	1344	633
35°	1255	1252	1243	1229	1222	783
45°	1039	1044	1049	1045	1037	801
55°	775	776	769	778	781	691
65°	481	483	471	466	471	476
75°	197	199	193	189	185	214
85°	28	28	28	28	26	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1447.5	1447.5	1447.5	1447.5	1447.5
2.5°	1449.5	1446.3	1446.7	1447.1	1448.7
5°	1447.5	1445.5	1445.1	1445.1	1445.5
7.5°	1445.1	1442.8	1442.4	1442.0	1442.0
10°	1440.8	1438.4	1436.8	1436.0	1435.6
12.5°	1434.8	1432.1	1430.1	1428.5	1427.3
15°	1428.1	1424.1	1421.0	1417.8	1416.6
17.5°	1418.6	1415.0	1409.5	1404.3	1402.3
20°	1406.7	1403.1	1395.2	1388.1	1385.3
22.5°	1392.8	1387.7	1377.8	1369.8	1365.9
25°	1373.4	1368.2	1357.9	1348.0	1344.1
27.5°	1350.8	1346.0	1334.9	1323.1	1318.3
30°	1322.7	1319.5	1307.6	1294.5	1289.4
32.5°	1291.3	1288.2	1277.9	1263.2	1257.3
35°	1255.3	1251.7	1242.6	1229.1	1222.0
37.5°	1212.5	1211.3	1202.6	1188.7	1182.0
40°	1161.3	1163.7	1157.0	1145.1	1138.4
42.5°	1103.1	1108.2	1108.2	1097.1	1090.4
45°	1039.3	1044.0	1048.8	1044.8	1037.3
47.5°	973.9	979.0	984.6	986.1	979.8
50°	908.1	911.2	914.8	921.9	918.0
52.5°	842.7	843.9	842.7	852.2	851.4
55°	775.3	775.7	769.3	778.1	780.8
57.5°	705.1	706.3	696.0	700.8	706.7
60°	632.2	633.4	621.9	622.7	629.8
62.5°	556.9	558.5	547.0	544.2	550.5
65°	480.8	482.8	471.3	466.1	470.9
67.5°	405.1	407.5	396.8	390.4	391.6
70°	331.4	333.3	323.8	317.9	316.3
72.5°	261.2	263.2	255.7	249.7	246.9
75°	197.4	199.0	193.0	188.7	185.1
77.5°	141.9	143.1	138.3	135.2	131.6
80°	94.7	95.1	92.0	90.0	86.8
82.5°	56.7	57.1	55.1	54.3	51.9
85°	28.1	28.5	27.7	27.7	25.8
87.5°	9.9	9.5	9.9	9.9	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)