

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: P506381

Luminaire Tested: **22PD-60-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506381
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-60-PL1-L930
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

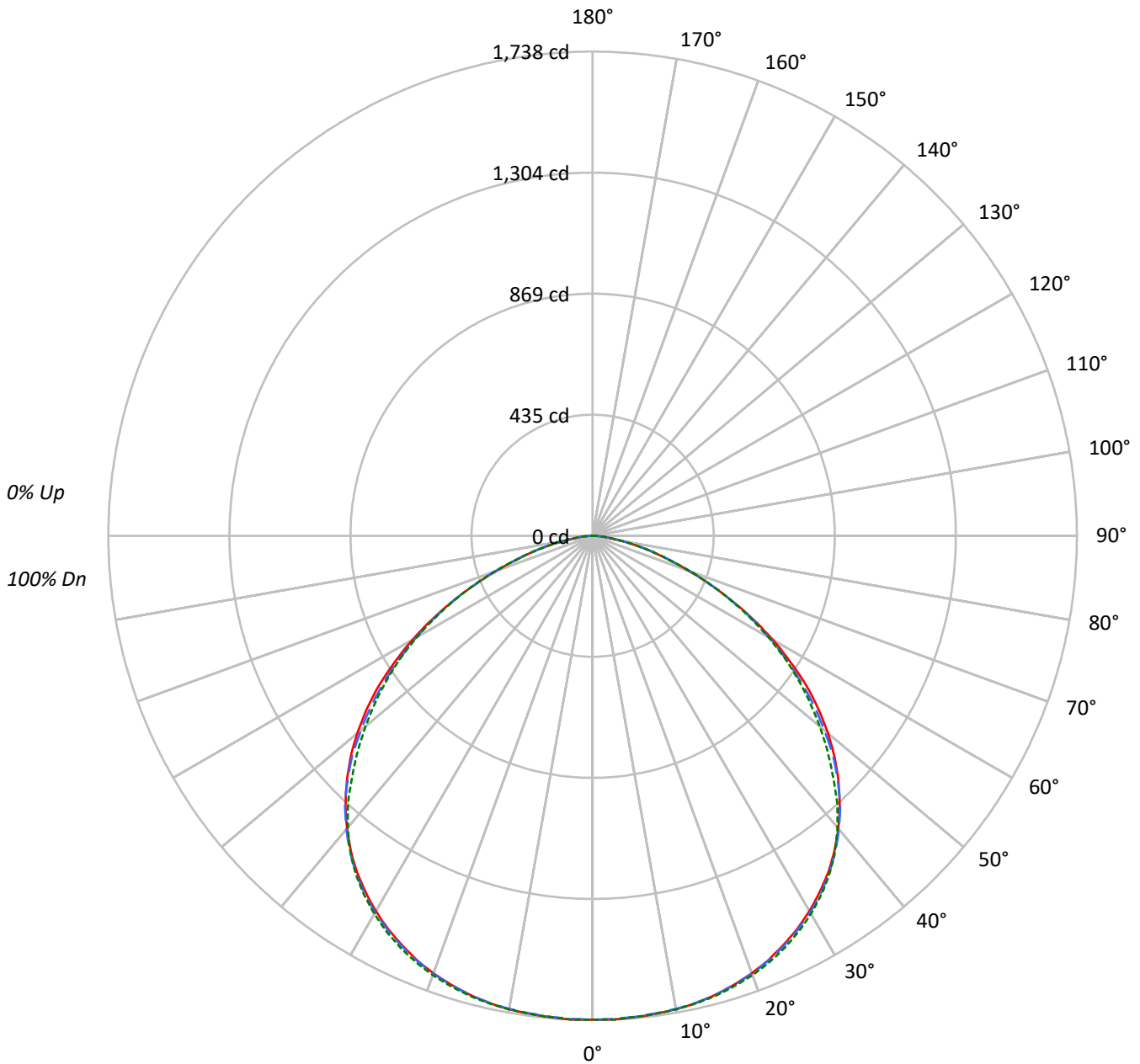
Lumens per Lamp: N/A
Luminaire Lumens: 4920.1 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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	64	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°	4674	4674	4674
5°	4687	4682	4684
10°	4717	4711	4717
15°	4751	4751	4761
20°	4785	4790	4806
25°	4811	4822	4845
30°	4835	4850	4869
35°	4843	4858	4868
40°	4817	4830	4800
45°	4748	4735	4639
50°	4614	4543	4450
55°	4390	4279	4230
60°	4019	3943	3921
65°	3505	3498	3486
70°	2873	2921	2911
75°	2277	2314	2277
80°	1667	1658	1649
85°	1115	1096	1170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.2	3.4
10°-20°	482.0	9.8
20°-30°	749.2	15.2
30°-40°	923.6	18.8
40°-50°	954.0	19.4
50°-60°	816.3	16.6
60°-70°	544.8	11.1
70°-80°	239.1	4.9
80°-90°	46.2	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°	1396.3	28.4
0°-40°	2319.9	47.2
0°-60°	4090.1	83.1
0°-90°	4920.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4920.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1737	1737	1737	1737	1737	
5°	1735	1733	1733	1732	1734	165
15°	1705	1703	1705	1706	1709	482
25°	1620	1620	1624	1629	1632	747
35°	1474	1474	1479	1482	1482	921
45°	1248	1247	1244	1232	1219	961
55°	936	924	912	907	902	832
65°	550	549	549	551	547	546
75°	219	217	223	221	219	237
85°	36	36	36	37	38	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1737.1	1737.1	1737.1	1737.1	1737.1
2.5°	1738.3	1735.8	1735.2	1735.2	1738.3
5°	1735.2	1732.8	1733.4	1732.2	1734.0
7.5°	1730.9	1728.5	1729.1	1728.5	1730.9
10°	1726.1	1723.6	1724.2	1723.6	1726.1
12.5°	1717.5	1715.7	1716.9	1717.5	1719.3
15°	1705.3	1703.4	1705.3	1706.5	1708.9
17.5°	1689.4	1688.1	1690.0	1691.8	1694.9
20°	1671.0	1669.8	1672.8	1674.7	1678.3
22.5°	1648.4	1647.2	1650.2	1654.5	1656.9
25°	1620.2	1620.2	1623.9	1628.8	1631.9
27.5°	1590.3	1589.7	1593.9	1598.8	1601.9
30°	1556.0	1554.8	1560.9	1565.2	1567.0
32.5°	1516.3	1516.9	1522.4	1526.7	1527.3
35°	1474.1	1474.1	1478.9	1482.0	1482.0
37.5°	1425.7	1425.1	1430.0	1431.2	1429.4
40°	1371.3	1371.9	1375.0	1374.4	1366.4
42.5°	1312.6	1313.2	1315.6	1307.1	1299.1
45°	1247.7	1247.1	1244.1	1232.5	1219.0
47.5°	1178.6	1175.6	1170.7	1152.9	1143.2
50°	1102.2	1097.3	1085.1	1071.0	1063.0
52.5°	1021.4	1012.9	1000.6	989.6	982.9
55°	935.8	924.2	912.0	907.1	901.6
57.5°	840.4	833.1	822.7	820.2	816.5
60°	746.8	738.9	732.7	732.7	728.5
62.5°	649.0	644.1	641.6	642.8	638.6
65°	550.5	549.3	549.3	551.1	547.4
67.5°	455.1	457.5	456.9	463.0	458.1
70°	365.2	369.4	371.3	377.4	370.0
72.5°	287.5	288.1	290.5	292.4	288.7
75°	219.0	217.1	222.6	221.4	219.0
77.5°	158.4	157.2	159.0	160.3	157.2
80°	107.6	106.4	107.0	108.9	106.4
82.5°	67.9	66.7	66.7	68.5	67.9
85°	36.1	35.5	35.5	36.7	37.9
87.5°	12.8	12.2	12.8	12.8	12.8
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)