

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: P506394

Luminaire Tested: **22PD-60-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PW1-L830
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

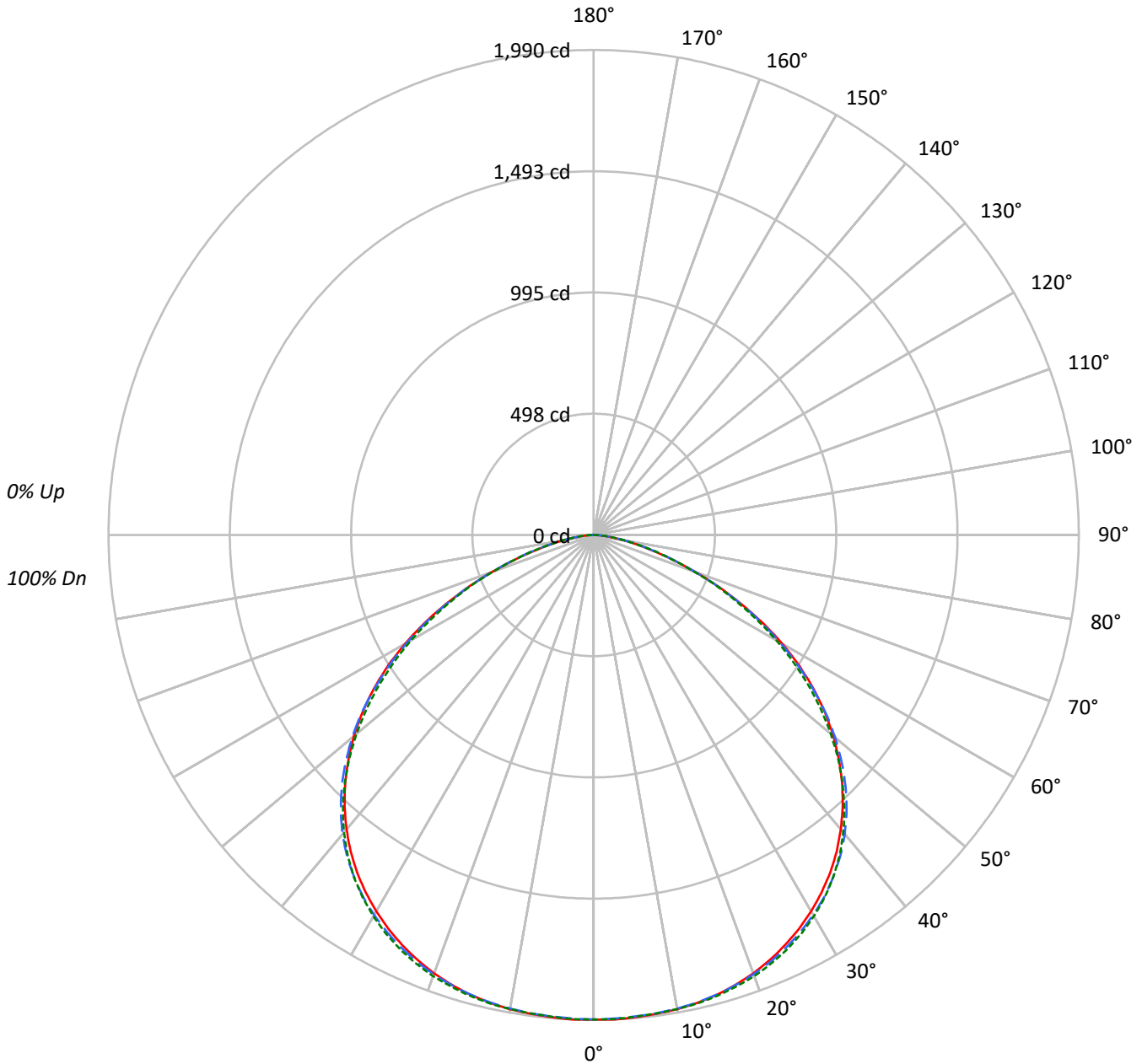
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5747.4 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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

TEST NUMBER: P506394
CATALOG NUMBER: 22PD-60-PW1-L830

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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								
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85								
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72								
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61								
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52								
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45								
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39								
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35								
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31								
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28								
10	53	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°	5350	5350	5350
5°	5365	5357	5359
10°	5400	5392	5398
15°	5442	5440	5456
20°	5482	5494	5517
25°	5515	5547	5572
30°	5542	5595	5615
35°	5556	5628	5631
40°	5539	5629	5597
45°	5484	5563	5495
50°	5373	5411	5313
55°	5164	5141	5044
60°	4807	4754	4654
65°	4239	4199	4118
70°	3472	3489	3416
75°	2630	2719	2697
80°	1905	1982	1949
85°	1250	1294	1383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	3.3
10°-20°	552.2	9.6
20°-30°	860.9	15.0
30°-40°	1067.1	18.6
40°-50°	1116.5	19.4
50°-60°	973.0	16.9
60°-70°	651.8	11.3
70°-80°	282.5	4.9
80°-90°	54.4	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°	1602.2	27.9
0°-40°	2669.2	46.4
0°-60°	4758.7	82.8
0°-90°	5747.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5747.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1988	1988	1988	1988	1988	
5°	1986	1984	1983	1983	1984	189
15°	1954	1951	1953	1955	1958	552
25°	1858	1858	1868	1874	1877	857
35°	1691	1698	1713	1715	1714	1057
45°	1441	1449	1462	1450	1444	1110
55°	1101	1100	1096	1084	1075	980
65°	666	662	659	653	647	659
75°	253	257	262	259	259	279
85°	40	43	42	43	45	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1988.3	1988.3	1988.3	1988.3	1988.3
2.5°	1990.4	1986.9	1986.2	1986.2	1988.3
5°	1986.2	1984.0	1983.3	1982.6	1984.0
7.5°	1981.9	1979.0	1979.8	1978.3	1979.8
10°	1976.2	1973.4	1973.4	1973.4	1975.5
12.5°	1966.3	1964.1	1964.8	1966.3	1969.1
15°	1953.5	1950.6	1952.8	1954.9	1958.4
17.5°	1935.7	1933.6	1937.1	1940.7	1943.5
20°	1914.4	1912.3	1918.6	1923.6	1926.5
22.5°	1888.1	1887.4	1895.9	1901.6	1903.7
25°	1857.5	1858.2	1868.2	1873.9	1876.7
27.5°	1822.7	1824.1	1836.9	1841.9	1844.7
30°	1783.6	1787.2	1800.7	1805.0	1807.1
32.5°	1739.6	1744.5	1760.9	1763.7	1763.7
35°	1691.3	1697.6	1713.3	1715.4	1714.0
37.5°	1637.2	1644.4	1662.1	1659.3	1657.1
40°	1576.8	1584.7	1602.4	1596.7	1593.2
42.5°	1512.2	1520.0	1535.6	1527.1	1522.1
45°	1441.1	1448.9	1461.7	1449.6	1444.0
47.5°	1364.4	1373.6	1380.0	1366.5	1359.4
50°	1283.4	1286.2	1292.6	1277.0	1269.2
52.5°	1195.2	1195.2	1200.2	1183.2	1173.9
55°	1100.7	1100.0	1095.8	1083.7	1075.2
57.5°	1000.5	996.3	993.4	980.6	970.7
60°	893.2	886.8	883.3	872.6	864.8
62.5°	781.0	777.4	773.1	764.6	756.1
65°	665.8	662.3	659.4	653.1	646.7
67.5°	551.4	549.3	549.3	545.0	544.3
70°	441.3	442.7	443.4	443.4	434.2
72.5°	341.8	342.5	346.1	343.2	342.5
75°	253.0	257.2	261.5	259.4	259.4
77.5°	181.9	188.3	188.3	186.9	184.8
80°	122.9	125.8	127.9	127.2	125.8
82.5°	78.2	80.3	78.2	79.6	80.3
85°	40.5	43.3	41.9	42.6	44.8
87.5°	13.5	14.9	15.6	14.9	14.9
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)