

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: P506385

Luminaire Tested: **22PD-60-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PR1-L830
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

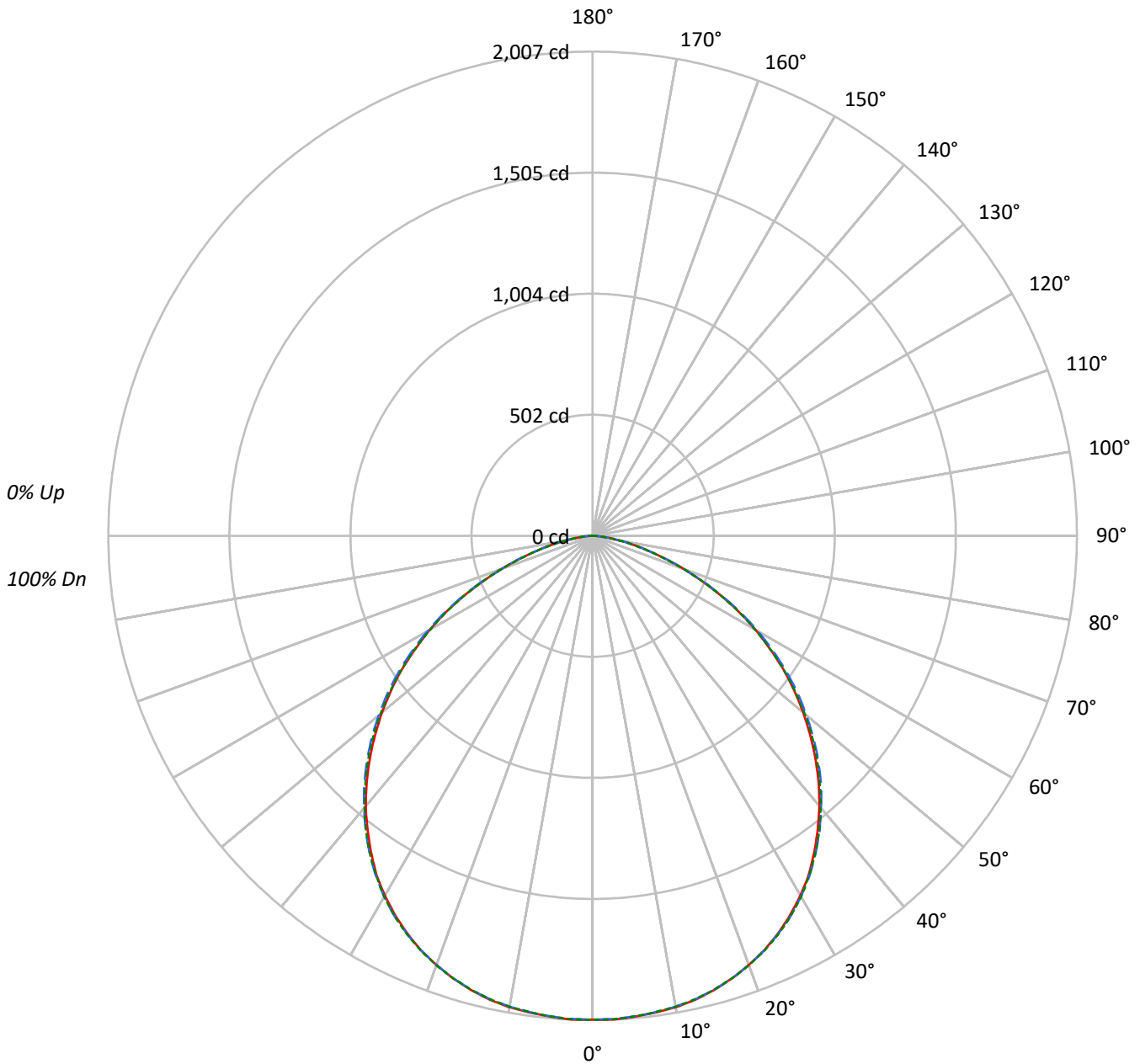
Lumens per Lamp: N/A
Luminaire Lumens: 5360.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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					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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85								
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72								
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61								
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53								
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46								
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40								
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36								
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32								
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29								
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5398	5398	5398
5°	5406	5402	5402
10°	5422	5415	5415
15°	5429	5424	5426
20°	5422	5420	5424
25°	5399	5404	5409
30°	5350	5367	5369
35°	5260	5288	5286
40°	5137	5172	5165
45°	4968	5032	5007
50°	4767	4840	4801
55°	4525	4597	4531
60°	4195	4253	4181
65°	3743	3781	3738
70°	3148	3148	3127
75°	2466	2466	2439
80°	1807	1787	1776
85°	1179	1179	1201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	3.6
10°-20°	549.7	10.3
20°-30°	838.5	15.6
30°-40°	1004.9	18.7
40°-50°	1014.9	18.9
50°-60°	868.3	16.2
60°-70°	585.5	10.9
70°-80°	258.3	4.8
80°-90°	49.6	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°	1578.5	29.4
0°-40°	2583.4	48.2
0°-60°	4466.5	83.3
0°-90°	5360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5360.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2006	2006	2006	2006	2006	
5°	2001	1998	2000	1998	2000	190
15°	1949	1948	1947	1946	1948	550
25°	1818	1820	1820	1820	1822	837
35°	1601	1610	1610	1608	1609	1001
45°	1306	1316	1322	1320	1316	1006
55°	964	973	980	978	966	859
65°	588	592	594	592	587	581
75°	237	238	237	238	235	258
85°	38	38	38	39	39	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2005.9	2005.9	2005.9	2005.9	2005.9
2.5°	2007.2	2004.6	2003.9	2003.2	2005.9
5°	2001.2	1998.5	1999.9	1998.5	1999.9
7.5°	1993.8	1991.1	1991.8	1990.5	1991.8
10°	1984.4	1981.8	1981.8	1980.4	1981.8
12.5°	1969.7	1967.7	1967.0	1965.7	1967.7
15°	1948.9	1948.3	1946.9	1946.2	1947.6
17.5°	1923.5	1922.1	1923.5	1921.4	1922.8
20°	1893.3	1894.0	1892.6	1893.3	1894.0
22.5°	1859.1	1859.1	1859.8	1859.8	1861.1
25°	1818.2	1820.2	1820.2	1820.2	1821.6
27.5°	1772.7	1775.3	1777.4	1776.0	1777.4
30°	1721.7	1726.4	1727.1	1726.4	1727.8
32.5°	1666.8	1670.1	1672.1	1670.8	1669.5
35°	1601.1	1610.5	1609.8	1608.5	1609.1
37.5°	1532.1	1541.4	1544.8	1542.1	1542.8
40°	1462.4	1470.4	1472.4	1473.1	1470.4
42.5°	1385.3	1394.7	1402.0	1398.7	1394.7
45°	1305.5	1315.6	1322.3	1320.3	1315.6
47.5°	1223.1	1232.5	1241.9	1238.5	1233.8
50°	1138.7	1148.0	1156.1	1154.7	1146.7
52.5°	1052.2	1062.9	1070.3	1067.6	1056.9
55°	964.4	973.1	979.8	978.5	965.8
57.5°	869.2	880.6	884.0	882.0	872.6
60°	779.4	786.8	790.2	787.5	776.8
62.5°	683.6	689.6	692.3	691.6	684.3
65°	587.8	592.5	593.8	592.5	587.1
67.5°	489.2	495.9	496.6	496.6	491.3
70°	400.1	402.1	400.1	405.5	397.4
72.5°	313.7	315.0	313.7	313.7	310.3
75°	237.2	237.9	237.2	237.9	234.6
77.5°	171.6	172.9	170.2	172.2	168.9
80°	116.6	116.6	115.3	115.9	114.6
82.5°	72.4	73.7	71.7	71.7	71.0
85°	38.2	38.2	38.2	38.9	38.9
87.5°	13.4	13.4	14.1	14.1	13.4
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)