

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: P506488

Luminaire Tested: **22PD-80-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506488
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-80-PL1-L927
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

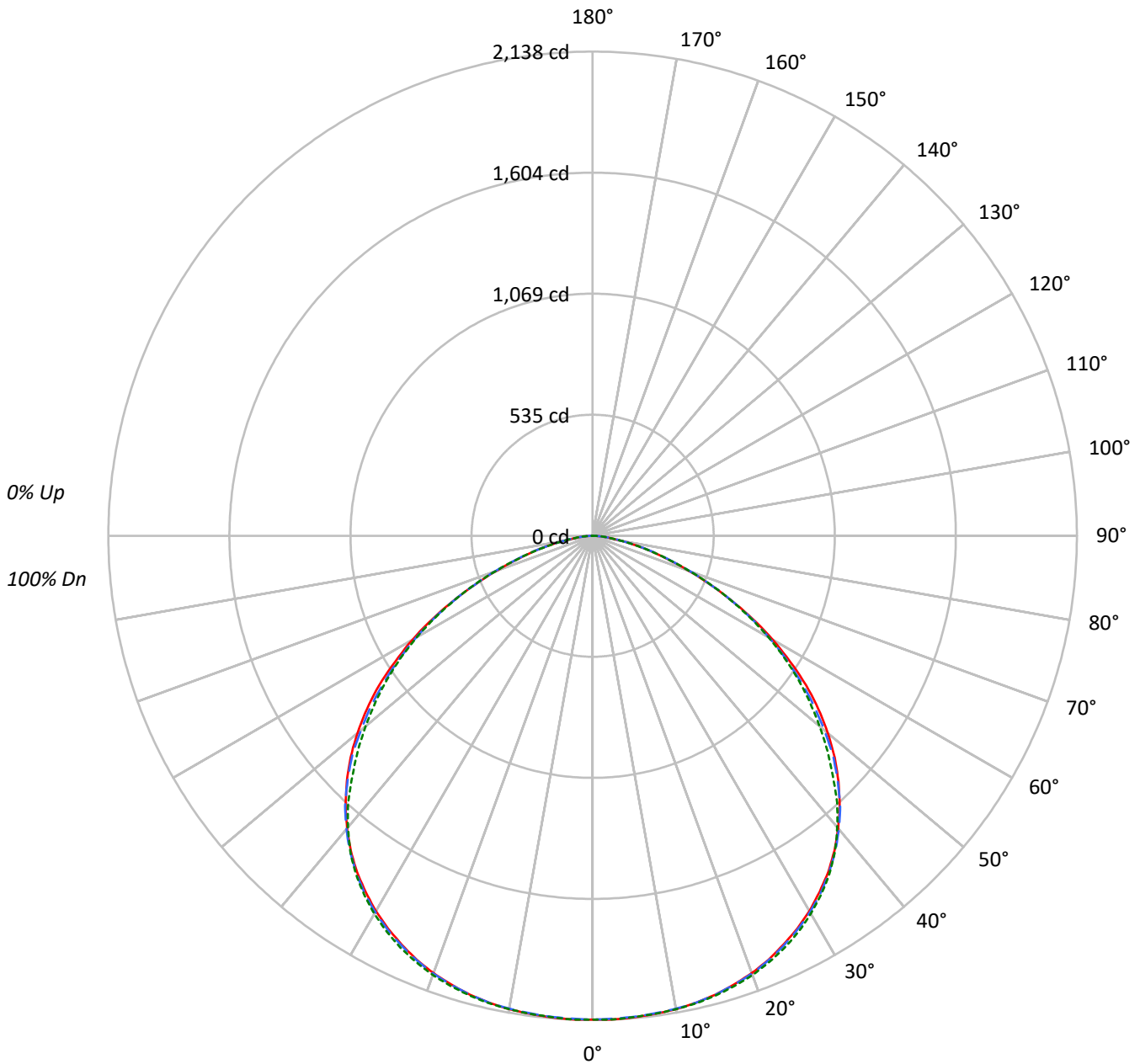
Lumens per Lamp: N/A
Luminaire Lumens: 6050.7 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
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°	5748	5748	5748
5°	5764	5758	5760
10°	5800	5794	5800
15°	5842	5842	5855
20°	5885	5891	5911
25°	5916	5929	5959
30°	5946	5965	5988
35°	5955	5975	5987
40°	5924	5940	5903
45°	5840	5822	5705
50°	5674	5586	5473
55°	5399	5262	5202
60°	4943	4850	4821
65°	4311	4301	4287
70°	3533	3592	3581
75°	2800	2847	2800
80°	2052	2039	2029
85°	1371	1346	1439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.1	3.4
10°-20°	592.7	9.8
20°-30°	921.3	15.2
30°-40°	1135.8	18.8
40°-50°	1173.2	19.4
50°-60°	1003.8	16.6
60°-70°	670.0	11.1
70°-80°	294.0	4.9
80°-90°	56.8	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°	1717.2	28.4
0°-40°	2852.9	47.2
0°-60°	5029.9	83.1
0°-90°	6050.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6050.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2136	2136	2136	2136	2136	
5°	2134	2131	2132	2130	2132	203
15°	2097	2095	2097	2099	2102	593
25°	1992	1992	1997	2003	2007	919
35°	1813	1813	1819	1822	1822	1133
45°	1534	1534	1530	1516	1499	1181
55°	1151	1136	1122	1116	1109	1023
65°	677	676	676	678	673	672
75°	269	267	274	272	269	292
85°	44	44	44	45	47	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2136.2	2136.2	2136.2	2136.2	2136.2
2.5°	2137.7	2134.7	2133.9	2133.9	2137.7
5°	2133.9	2130.9	2131.7	2130.2	2132.4
7.5°	2128.7	2125.7	2126.4	2125.7	2128.7
10°	2122.7	2119.7	2120.4	2119.7	2122.7
12.5°	2112.1	2109.9	2111.4	2112.1	2114.4
15°	2097.1	2094.8	2097.1	2098.6	2101.6
17.5°	2077.5	2076.0	2078.3	2080.5	2084.3
20°	2055.0	2053.5	2057.2	2059.5	2064.0
22.5°	2027.1	2025.6	2029.4	2034.7	2037.7
25°	1992.5	1992.5	1997.0	2003.1	2006.8
27.5°	1955.7	1954.9	1960.2	1966.2	1970.0
30°	1913.6	1912.0	1919.6	1924.8	1927.1
32.5°	1864.7	1865.4	1872.2	1877.4	1878.2
35°	1812.8	1812.8	1818.8	1822.5	1822.5
37.5°	1753.3	1752.6	1758.6	1760.1	1757.9
40°	1686.4	1687.1	1690.9	1690.2	1680.4
42.5°	1614.2	1614.9	1617.9	1607.4	1597.6
45°	1534.5	1533.7	1529.9	1515.6	1499.1
47.5°	1449.5	1445.7	1439.7	1417.9	1405.8
50°	1355.4	1349.4	1334.4	1317.1	1307.3
52.5°	1256.1	1245.6	1230.6	1217.0	1208.8
55°	1150.8	1136.5	1121.5	1115.5	1108.7
57.5°	1033.5	1024.5	1011.7	1008.7	1004.2
60°	918.4	908.6	901.1	901.1	895.8
62.5°	798.1	792.0	789.0	790.5	785.3
65°	677.0	675.5	675.5	677.7	673.2
67.5°	559.6	562.6	561.9	569.4	563.4
70°	449.1	454.3	456.6	464.1	455.1
72.5°	353.5	354.3	357.3	359.5	355.0
75°	269.3	267.0	273.8	272.3	269.3
77.5°	194.8	193.3	195.6	197.1	193.3
80°	132.4	130.9	131.6	133.9	130.9
82.5°	83.5	82.0	82.0	84.2	83.5
85°	44.4	43.6	43.6	45.1	46.6
87.5°	15.8	15.0	15.8	15.8	15.8
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)