

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: P506497

Luminaire Tested: **22PD-80-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506497
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-80-PR1-L927
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

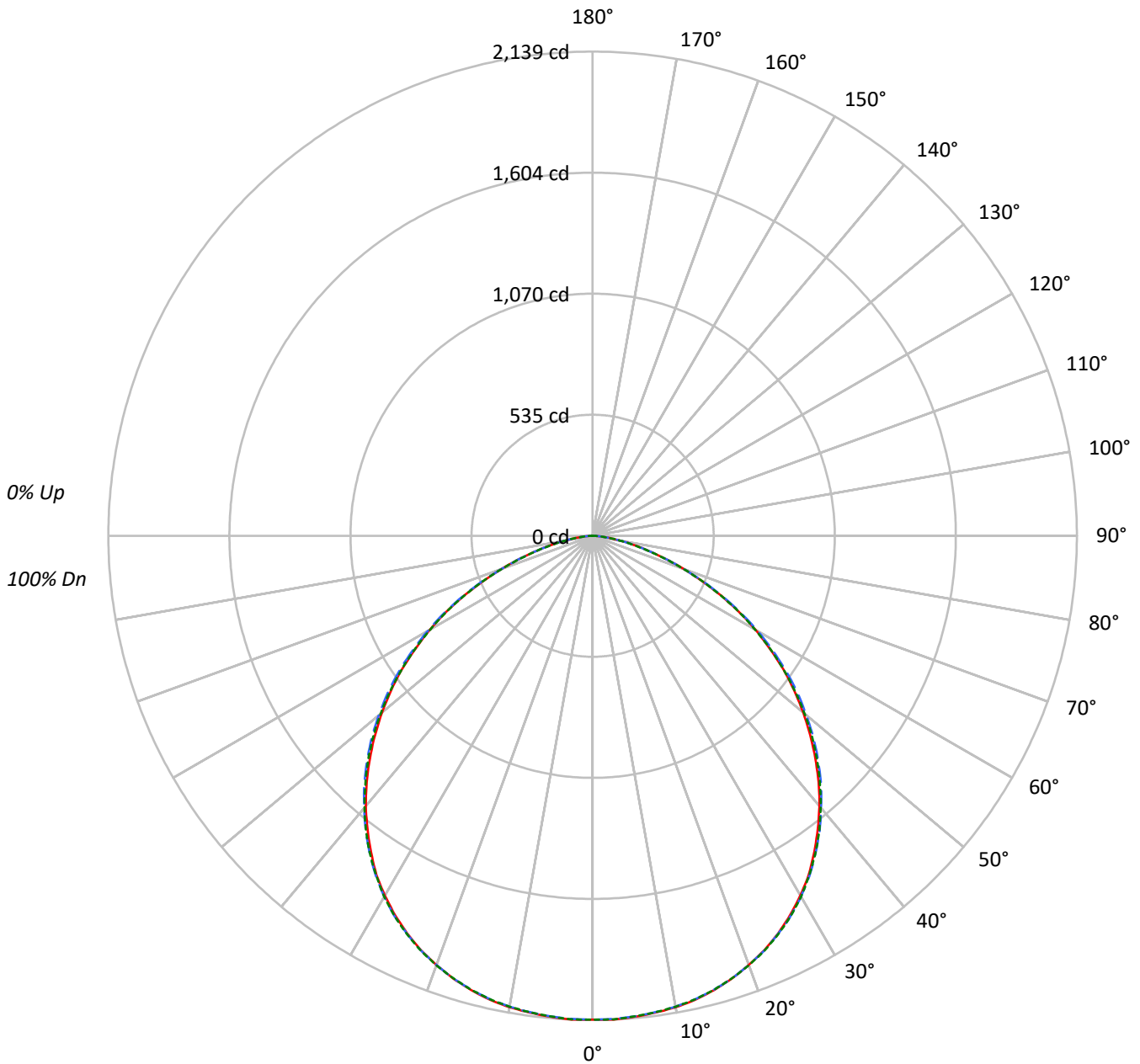
Lumens per Lamp: N/A
Luminaire Lumens: 5713.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5753	5753	5753
5°	5762	5758	5758
10°	5779	5772	5772
15°	5787	5781	5783
20°	5779	5777	5781
25°	5754	5760	5765
30°	5702	5720	5722
35°	5606	5637	5634
40°	5475	5513	5505
45°	5296	5364	5336
50°	5081	5159	5117
55°	4822	4900	4830
60°	4471	4533	4456
65°	3989	4030	3985
70°	3356	3356	3333
75°	2629	2629	2599
80°	1926	1905	1894
85°	1257	1257	1278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.8	3.6
10°-20°	585.9	10.3
20°-30°	893.7	15.6
30°-40°	1071.1	18.7
40°-50°	1081.7	18.9
50°-60°	925.5	16.2
60°-70°	624.1	10.9
70°-80°	275.4	4.8
80°-90°	52.8	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°	1682.4	29.4
0°-40°	2753.5	48.2
0°-60°	4760.7	83.3
0°-90°	5713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2138	2138	2138	2138	2138	
5°	2133	2130	2132	2130	2132	203
15°	2077	2077	2075	2074	2076	586
25°	1938	1940	1940	1940	1942	893
35°	1706	1716	1716	1714	1715	1067
45°	1392	1402	1409	1407	1402	1072
55°	1028	1037	1044	1043	1029	916
65°	626	632	633	632	626	619
75°	253	254	253	254	250	275
85°	41	41	41	41	41	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2138.0	2138.0	2138.0	2138.0	2138.0
2.5°	2139.4	2136.6	2135.9	2135.1	2138.0
5°	2133.0	2130.1	2131.6	2130.1	2131.6
7.5°	2125.1	2122.3	2123.0	2121.6	2123.0
10°	2115.1	2112.3	2112.3	2110.9	2112.3
12.5°	2099.4	2097.3	2096.6	2095.1	2097.3
15°	2077.3	2076.6	2075.1	2074.4	2075.9
17.5°	2050.1	2048.7	2050.1	2048.0	2049.4
20°	2018.0	2018.7	2017.3	2018.0	2018.7
22.5°	1981.6	1981.6	1982.3	1982.3	1983.7
25°	1938.0	1940.1	1940.1	1940.1	1941.6
27.5°	1889.4	1892.3	1894.4	1893.0	1894.4
30°	1835.1	1840.1	1840.8	1840.1	1841.5
32.5°	1776.5	1780.1	1782.3	1780.8	1779.4
35°	1706.5	1716.5	1715.8	1714.4	1715.1
37.5°	1633.0	1643.0	1646.5	1643.7	1644.4
40°	1558.7	1567.2	1569.4	1570.1	1567.2
42.5°	1476.5	1486.5	1494.4	1490.8	1486.5
45°	1391.5	1402.2	1409.4	1407.2	1402.2
47.5°	1303.7	1313.7	1323.7	1320.1	1315.1
50°	1213.7	1223.7	1232.2	1230.8	1222.2
52.5°	1121.5	1132.9	1140.8	1137.9	1126.5
55°	1027.9	1037.2	1044.4	1042.9	1029.4
57.5°	926.5	938.6	942.2	940.1	930.1
60°	830.8	838.6	842.2	839.3	827.9
62.5°	728.6	735.0	737.9	737.2	729.3
65°	626.5	631.5	632.9	631.5	625.8
67.5°	521.5	528.6	529.3	529.3	523.6
70°	426.5	428.6	426.5	432.2	423.6
72.5°	334.3	335.7	334.3	334.3	330.7
75°	252.9	253.6	252.9	253.6	250.0
77.5°	182.9	184.3	181.4	183.6	180.0
80°	124.3	124.3	122.9	123.6	122.2
82.5°	77.1	78.6	76.4	76.4	75.7
85°	40.7	40.7	40.7	41.4	41.4
87.5°	14.3	14.3	15.0	15.0	14.3
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)