

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: P506443

Luminaire Tested: **22PD-70-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506443
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-70-PR1-L927
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

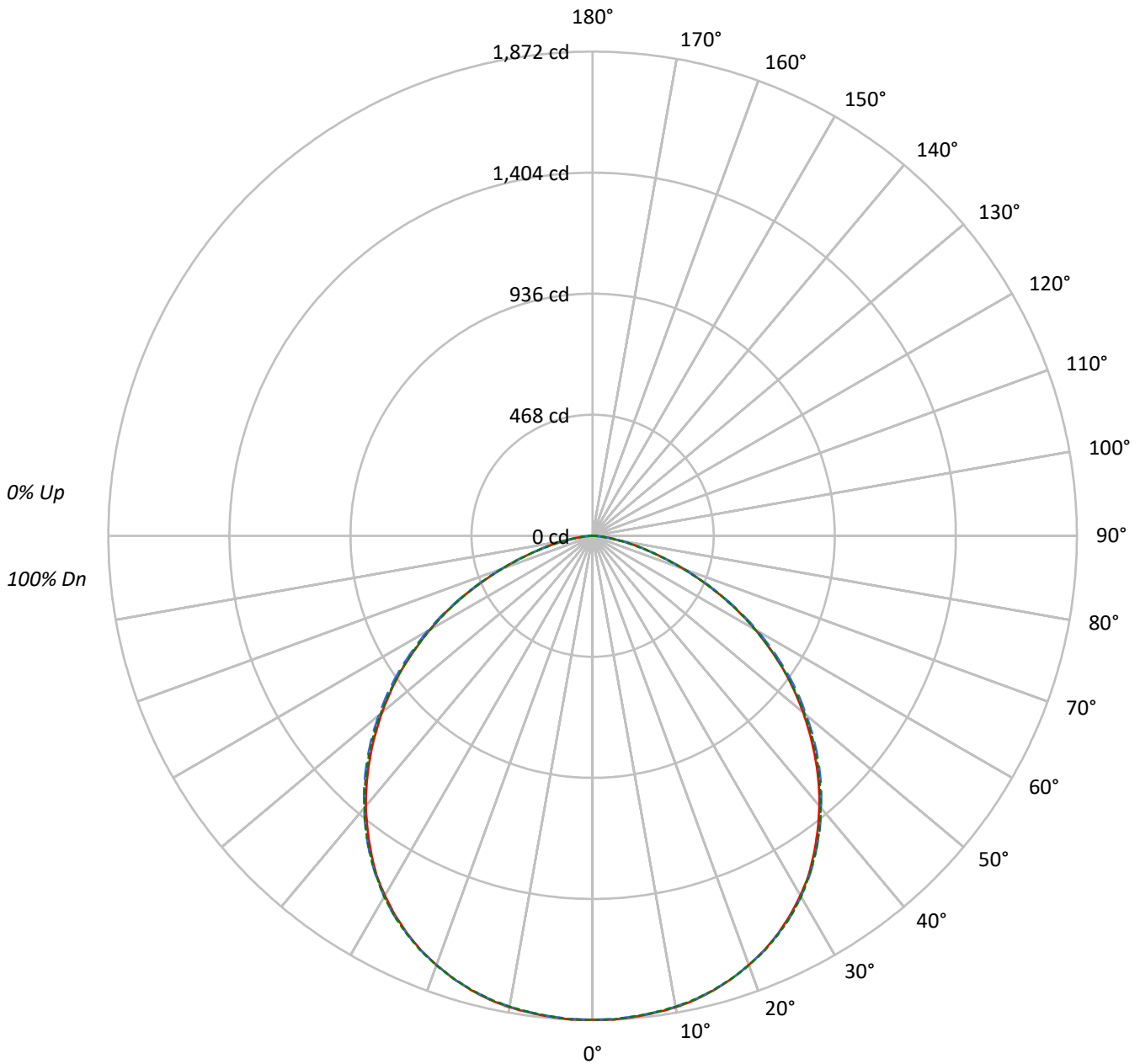
Lumens per Lamp: N/A
Luminaire Lumens: 5000.0 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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°	5035	5035	5035
5°	5043	5039	5039
10°	5058	5052	5052
15°	5065	5060	5061
20°	5058	5056	5060
25°	5036	5042	5045
30°	4991	5006	5008
35°	4907	4933	4931
40°	4792	4825	4818
45°	4635	4694	4670
50°	4447	4515	4478
55°	4221	4288	4227
60°	3913	3967	3900
65°	3491	3527	3487
70°	2936	2936	2917
75°	2301	2301	2275
80°	1686	1666	1657
85°	1099	1099	1121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.5	3.6
10°-20°	512.8	10.3
20°-30°	782.2	15.6
30°-40°	937.4	18.7
40°-50°	946.7	18.9
50°-60°	810.0	16.2
60°-70°	546.2	10.9
70°-80°	241.0	4.8
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°	1472.4	29.4
0°-40°	2409.8	48.2
0°-60°	4166.6	83.3
0°-90°	5000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5000.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1871	1871	1871	1871	1871	
5°	1867	1864	1866	1864	1866	178
15°	1818	1817	1816	1816	1817	513
25°	1696	1698	1698	1698	1699	781
35°	1494	1502	1502	1500	1501	933
45°	1218	1227	1234	1232	1227	939
55°	900	908	914	913	901	802
65°	548	553	554	553	548	542
75°	221	222	221	222	219	241
85°	36	36	36	36	36	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1871.2	1871.2	1871.2	1871.2	1871.2
2.5°	1872.4	1869.9	1869.3	1868.7	1871.2
5°	1866.8	1864.3	1865.5	1864.3	1865.5
7.5°	1859.9	1857.4	1858.0	1856.8	1858.0
10°	1851.2	1848.7	1848.7	1847.4	1848.7
12.5°	1837.4	1835.5	1834.9	1833.7	1835.5
15°	1818.0	1817.4	1816.2	1815.5	1816.8
17.5°	1794.3	1793.0	1794.3	1792.4	1793.6
20°	1766.1	1766.8	1765.5	1766.1	1766.8
22.5°	1734.3	1734.3	1734.9	1734.9	1736.1
25°	1696.1	1698.0	1698.0	1698.0	1699.2
27.5°	1653.6	1656.1	1658.0	1656.7	1658.0
30°	1606.1	1610.5	1611.1	1610.5	1611.7
32.5°	1554.8	1558.0	1559.8	1558.6	1557.3
35°	1493.6	1502.3	1501.7	1500.4	1501.1
37.5°	1429.2	1437.9	1441.0	1438.5	1439.2
40°	1364.1	1371.6	1373.5	1374.1	1371.6
42.5°	1292.3	1301.0	1307.9	1304.8	1301.0
45°	1217.9	1227.2	1233.5	1231.6	1227.2
47.5°	1141.0	1149.7	1158.5	1155.3	1151.0
50°	1062.2	1070.9	1078.4	1077.2	1069.7
52.5°	981.5	991.5	998.4	995.9	985.9
55°	899.6	907.8	914.0	912.8	900.9
57.5°	810.9	821.5	824.6	822.7	814.0
60°	727.1	734.0	737.1	734.6	724.6
62.5°	637.7	643.3	645.8	645.2	638.3
65°	548.3	552.7	553.9	552.7	547.7
67.5°	456.4	462.6	463.3	463.3	458.3
70°	373.2	375.1	373.2	378.2	370.7
72.5°	292.6	293.8	292.6	292.6	289.5
75°	221.3	221.9	221.3	221.9	218.8
77.5°	160.0	161.3	158.8	160.7	157.5
80°	108.8	108.8	107.5	108.2	106.9
82.5°	67.5	68.8	66.9	66.9	66.3
85°	35.6	35.6	35.6	36.3	36.3
87.5°	12.5	12.5	13.1	13.1	12.5
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)