

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: P506447

Luminaire Tested: **22PD-70-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506447
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-L950
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

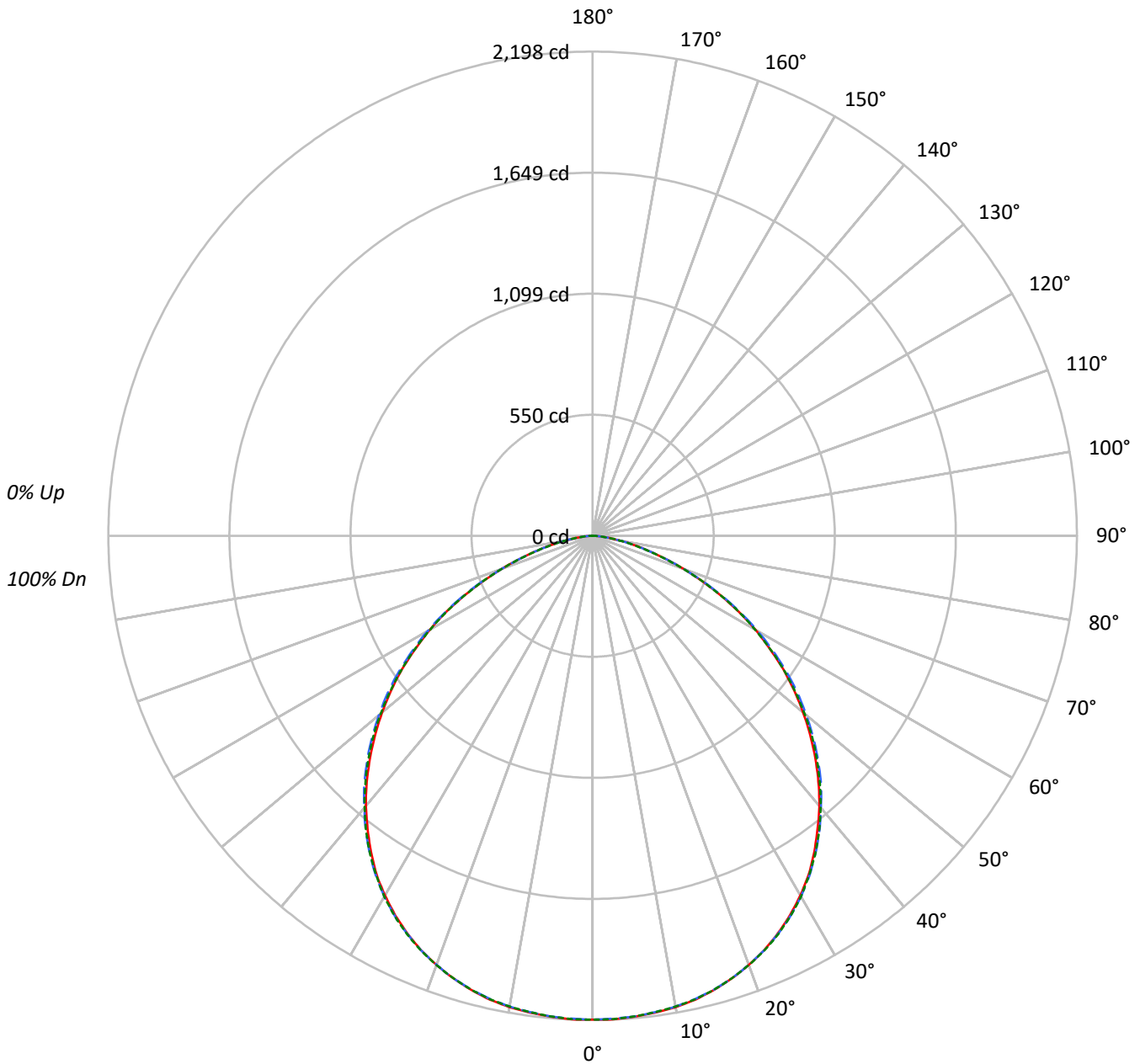
Lumens per Lamp: N/A
Luminaire Lumens: 5869.0 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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									
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	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°	5910	5910	5910
5°	5919	5915	5915
10°	5937	5930	5930
15°	5945	5939	5941
20°	5937	5935	5939
25°	5911	5918	5922
30°	5858	5876	5878
35°	5759	5791	5788
40°	5625	5663	5656
45°	5440	5510	5482
50°	5220	5300	5256
55°	4954	5034	4961
60°	4594	4656	4577
65°	4098	4140	4093
70°	3447	3447	3424
75°	2701	2701	2670
80°	1979	1956	1945
85°	1291	1291	1315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	3.6
10°-20°	601.9	10.3
20°-30°	918.1	15.6
30°-40°	1100.3	18.7
40°-50°	1111.3	18.9
50°-60°	950.8	16.2
60°-70°	641.1	10.9
70°-80°	282.9	4.8
80°-90°	54.3	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°	1728.4	29.4
0°-40°	2828.7	48.2
0°-60°	4890.7	83.3
0°-90°	5869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5869.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2196	2196	2196	2196	2196	
5°	2191	2188	2190	2188	2190	209
15°	2134	2133	2132	2131	2132	602
25°	1991	1993	1993	1993	1995	917
35°	1753	1763	1763	1761	1762	1096
45°	1430	1440	1448	1446	1440	1102
55°	1056	1066	1073	1071	1058	941
65°	644	649	650	649	643	636
75°	260	260	260	260	257	283
85°	42	42	42	43	43	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2196.4	2196.4	2196.4	2196.4	2196.4
2.5°	2197.8	2194.9	2194.2	2193.4	2196.4
5°	2191.2	2188.3	2189.8	2188.3	2189.8
7.5°	2183.2	2180.2	2181.0	2179.5	2181.0
10°	2172.9	2170.0	2170.0	2168.5	2170.0
12.5°	2156.8	2154.5	2153.8	2152.3	2154.5
15°	2134.0	2133.3	2131.8	2131.1	2132.5
17.5°	2106.1	2104.6	2106.1	2103.9	2105.4
20°	2073.1	2073.8	2072.4	2073.1	2073.8
22.5°	2035.7	2035.7	2036.4	2036.4	2037.9
25°	1990.9	1993.1	1993.1	1993.1	1994.6
27.5°	1941.0	1943.9	1946.1	1944.7	1946.1
30°	1885.2	1890.4	1891.1	1890.4	1891.8
32.5°	1825.1	1828.7	1830.9	1829.5	1828.0
35°	1753.1	1763.4	1762.7	1761.2	1761.9
37.5°	1677.6	1687.8	1691.5	1688.6	1689.3
40°	1601.2	1610.0	1612.2	1613.0	1610.0
42.5°	1516.8	1527.1	1535.2	1531.5	1527.1
45°	1429.5	1440.5	1447.9	1445.7	1440.5
47.5°	1339.3	1349.5	1359.8	1356.1	1351.0
50°	1246.8	1257.1	1265.9	1264.4	1255.6
52.5°	1152.1	1163.9	1171.9	1169.0	1157.3
55°	1056.0	1065.5	1072.9	1071.4	1057.5
57.5°	951.8	964.3	967.9	965.7	955.5
60°	853.5	861.5	865.2	862.3	850.5
62.5°	748.5	755.1	758.1	757.3	749.2
65°	643.6	648.7	650.2	648.7	642.8
67.5°	535.7	543.0	543.8	543.8	537.9
70°	438.1	440.3	438.1	444.0	435.2
72.5°	343.4	344.9	343.4	343.4	339.8
75°	259.8	260.5	259.8	260.5	256.8
77.5°	187.9	189.3	186.4	188.6	184.9
80°	127.7	127.7	126.2	127.0	125.5
82.5°	79.3	80.7	78.5	78.5	77.8
85°	41.8	41.8	41.8	42.6	42.6
87.5°	14.7	14.7	15.4	15.4	14.7
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)