

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: P506445

Luminaire Tested: **22PD-70-PR1-L935**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506445
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-L935
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

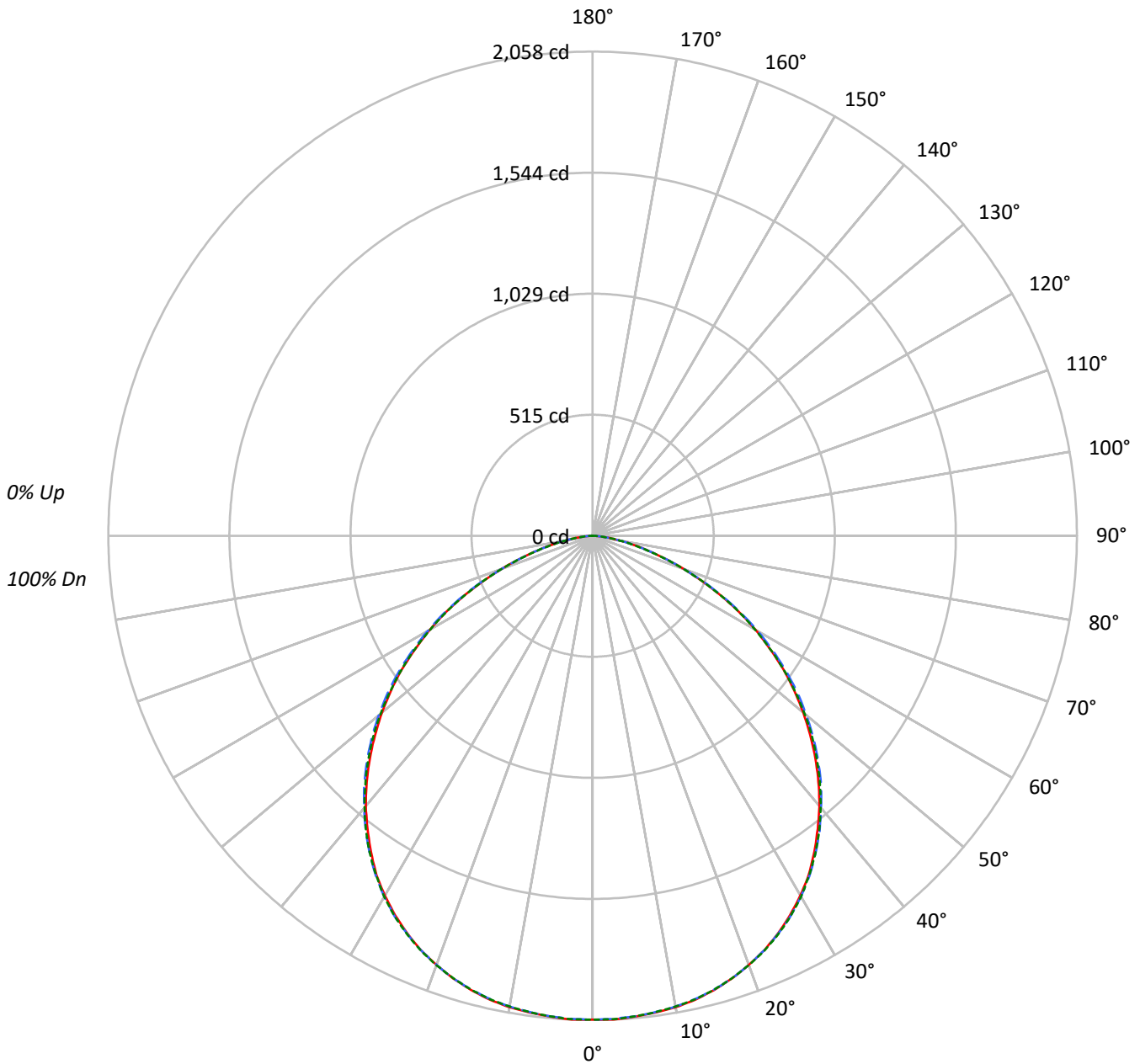
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5496.0 lumens
Efficiency: N/A
Efficacy: 86.0 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			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°	5535	5535	5535
5°	5543	5539	5539
10°	5560	5552	5552
15°	5567	5562	5563
20°	5559	5558	5561
25°	5536	5542	5546
30°	5486	5503	5505
35°	5393	5423	5420
40°	5267	5304	5296
45°	5095	5160	5134
50°	4888	4963	4922
55°	4640	4714	4646
60°	4301	4360	4287
65°	3838	3877	3833
70°	3228	3228	3206
75°	2530	2530	2501
80°	1853	1832	1821
85°	1210	1210	1232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.1	3.6
10°-20°	563.6	10.3
20°-30°	859.8	15.6
30°-40°	1030.4	18.7
40°-50°	1040.6	18.9
50°-60°	890.3	16.2
60°-70°	600.4	10.9
70°-80°	264.9	4.8
80°-90°	50.8	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°	1618.5	29.4
0°-40°	2648.9	48.2
0°-60°	4579.9	83.3
0°-90°	5496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2057	2057	2057	2057	2057	
5°	2052	2049	2051	2049	2051	195
15°	1998	1998	1996	1996	1997	564
25°	1864	1866	1866	1866	1868	859
35°	1642	1651	1651	1649	1650	1026
45°	1339	1349	1356	1354	1349	1032
55°	989	998	1005	1003	990	881
65°	603	608	609	608	602	596
75°	243	244	243	244	240	265
85°	39	39	39	40	40	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2056.8	2056.8	2056.8	2056.8	2056.8
2.5°	2058.2	2055.4	2054.7	2054.0	2056.8
5°	2052.0	2049.2	2050.6	2049.2	2050.6
7.5°	2044.4	2041.7	2042.4	2041.0	2042.4
10°	2034.8	2032.0	2032.0	2030.7	2032.0
12.5°	2019.7	2017.6	2016.9	2015.6	2017.6
15°	1998.4	1997.7	1996.3	1995.6	1997.0
17.5°	1972.3	1970.9	1972.3	1970.2	1971.6
20°	1941.3	1942.0	1940.7	1941.3	1942.0
22.5°	1906.3	1906.3	1907.0	1907.0	1908.4
25°	1864.4	1866.4	1866.4	1866.4	1867.8
27.5°	1817.6	1820.4	1822.5	1821.1	1822.5
30°	1765.4	1770.2	1770.9	1770.2	1771.6
32.5°	1709.1	1712.5	1714.6	1713.2	1711.8
35°	1641.7	1651.3	1650.7	1649.3	1650.0
37.5°	1570.9	1580.6	1584.0	1581.2	1581.9
40°	1499.5	1507.7	1509.8	1510.5	1507.7
42.5°	1420.4	1430.1	1437.6	1434.2	1430.1
45°	1338.7	1349.0	1355.8	1353.8	1349.0
47.5°	1254.1	1263.8	1273.4	1269.9	1265.1
50°	1167.6	1177.2	1185.4	1184.0	1175.8
52.5°	1078.9	1089.9	1097.5	1094.7	1083.7
55°	988.9	997.8	1004.7	1003.3	990.3
57.5°	891.3	903.0	906.4	904.4	894.7
60°	799.2	806.8	810.2	807.5	796.5
62.5°	700.9	707.1	709.9	709.2	701.6
65°	602.7	607.5	608.9	607.5	602.0
67.5°	501.7	508.5	509.2	509.2	503.7
70°	410.3	412.3	410.3	415.8	407.5
72.5°	321.6	323.0	321.6	321.6	318.2
75°	243.3	244.0	243.3	244.0	240.5
77.5°	175.9	177.3	174.5	176.6	173.2
80°	119.6	119.6	118.2	118.9	117.5
82.5°	74.2	75.6	73.5	73.5	72.8
85°	39.2	39.2	39.2	39.9	39.9
87.5°	13.7	13.7	14.4	14.4	13.7
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)