

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: P506444

Luminaire Tested: **22PD-70-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506444
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-L930
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

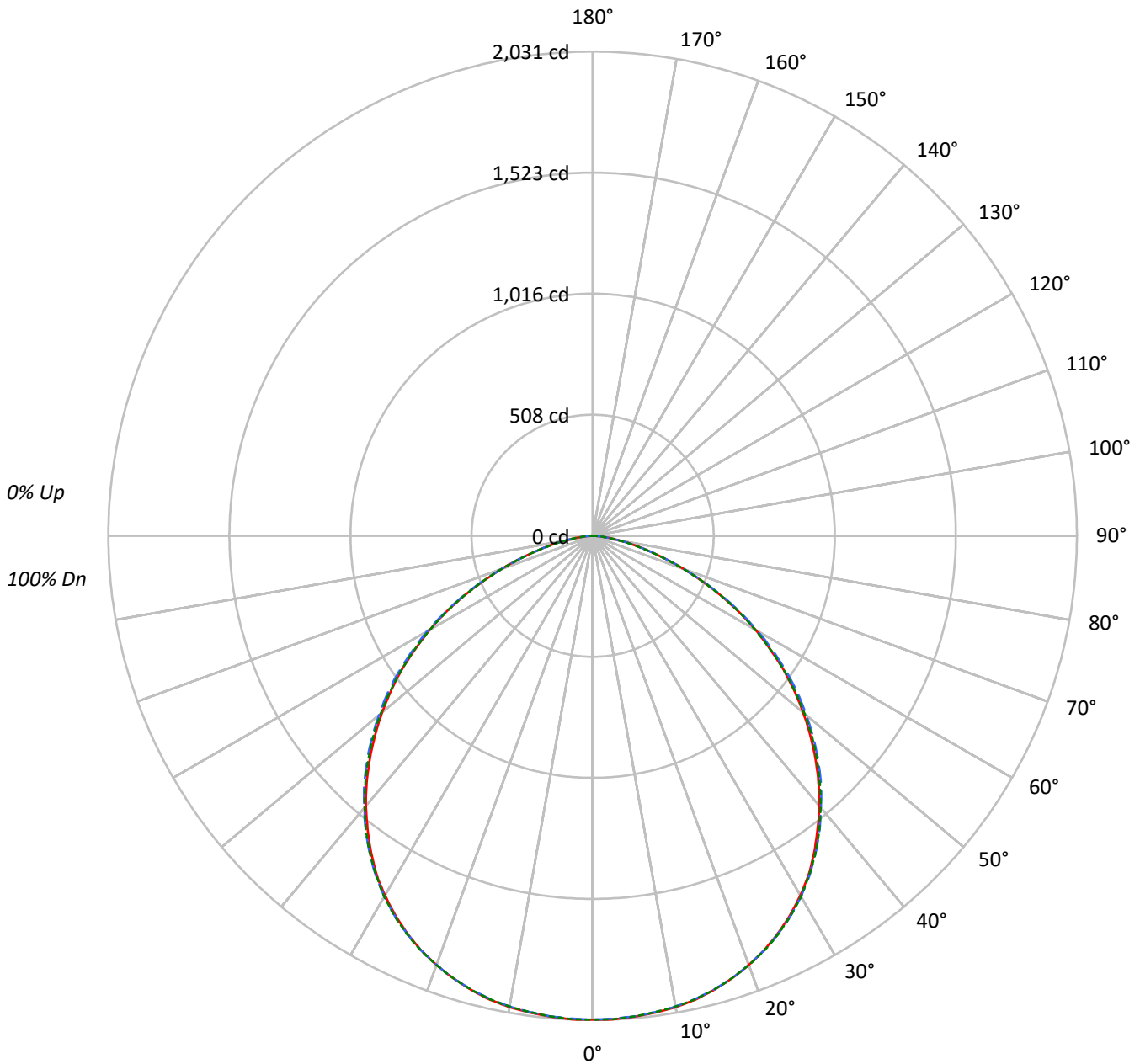
Lumens per Lamp: N/A
Luminaire Lumens: 5423.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P506444

CATALOG NUMBER: 22PD-70-PR1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P506444

CATALOG NUMBER: 22PD-70-PR1-L930

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°	5461	5461	5461
5°	5469	5466	5466
10°	5486	5479	5479
15°	5493	5488	5490
20°	5486	5484	5487
25°	5462	5468	5472
30°	5413	5430	5432
35°	5321	5350	5348
40°	5198	5233	5226
45°	5027	5091	5066
50°	4823	4897	4857
55°	4578	4651	4584
60°	4244	4302	4230
65°	3787	3826	3782
70°	3185	3185	3164
75°	2495	2495	2467
80°	1829	1807	1798
85°	1195	1195	1213



TEST NUMBER: P506444

CATALOG NUMBER: 22PD-70-PR1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.5	3.6
10°-20°	556.2	10.3
20°-30°	848.3	15.6
30°-40°	1016.7	18.7
40°-50°	1026.8	18.9
50°-60°	878.5	16.2
60°-70°	592.4	10.9
70°-80°	261.4	4.8
80°-90°	50.2	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°	1597.0	29.4
0°-40°	2613.7	48.2
0°-60°	4519.1	83.3
0°-90°	5423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2030	2030	2030	2030	2030	
5°	2025	2022	2023	2022	2023	193
15°	1972	1971	1970	1969	1970	557
25°	1840	1842	1842	1842	1843	847
35°	1620	1629	1629	1627	1628	1012
45°	1321	1331	1338	1336	1331	1018
55°	976	985	991	990	977	869
65°	595	599	601	599	594	588
75°	240	241	240	241	237	261
85°	39	39	39	39	39	50
90°	0	0	0	0	0	



TEST NUMBER: P506444

CATALOG NUMBER: 22PD-70-PR1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2029.5	2029.5	2029.5	2029.5	2029.5
2.5°	2030.8	2028.1	2027.4	2026.8	2029.5
5°	2024.7	2022.0	2023.4	2022.0	2023.4
7.5°	2017.3	2014.6	2015.2	2013.9	2015.2
10°	2007.8	2005.1	2005.1	2003.7	2005.1
12.5°	1992.9	1990.8	1990.1	1988.8	1990.8
15°	1971.8	1971.2	1969.8	1969.1	1970.5
17.5°	1946.1	1944.7	1946.1	1944.0	1945.4
20°	1915.6	1916.2	1914.9	1915.6	1916.2
22.5°	1881.0	1881.0	1881.7	1881.7	1883.0
25°	1839.6	1841.6	1841.6	1841.6	1843.0
27.5°	1793.5	1796.2	1798.2	1796.9	1798.2
30°	1742.0	1746.7	1747.4	1746.7	1748.1
32.5°	1686.4	1689.8	1691.8	1690.4	1689.1
35°	1619.9	1629.4	1628.7	1627.4	1628.1
37.5°	1550.1	1559.6	1563.0	1560.2	1560.9
40°	1479.6	1487.7	1489.7	1490.4	1487.7
42.5°	1401.6	1411.1	1418.5	1415.1	1411.1
45°	1320.9	1331.1	1337.8	1335.8	1331.1
47.5°	1237.5	1247.0	1256.5	1253.1	1248.3
50°	1152.0	1161.5	1169.7	1168.3	1160.2
52.5°	1064.6	1075.4	1082.9	1080.2	1069.3
55°	975.7	984.6	991.3	990.0	977.1
57.5°	879.5	891.0	894.4	892.3	882.8
60°	788.6	796.1	799.4	796.7	785.9
62.5°	691.6	697.7	700.4	699.8	692.3
65°	594.7	599.4	600.8	599.4	594.0
67.5°	495.0	501.8	502.5	502.5	497.0
70°	404.8	406.8	404.8	410.2	402.1
72.5°	317.3	318.7	317.3	317.3	313.9
75°	240.0	240.7	240.0	240.7	237.3
77.5°	173.6	174.9	172.2	174.3	170.9
80°	118.0	118.0	116.6	117.3	116.0
82.5°	73.2	74.6	72.6	72.6	71.9
85°	38.7	38.7	38.7	39.3	39.3
87.5°	13.6	13.6	14.2	14.2	13.6
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)