

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: P506452

Luminaire Tested: **22PD-70-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-70-PW1-L927
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

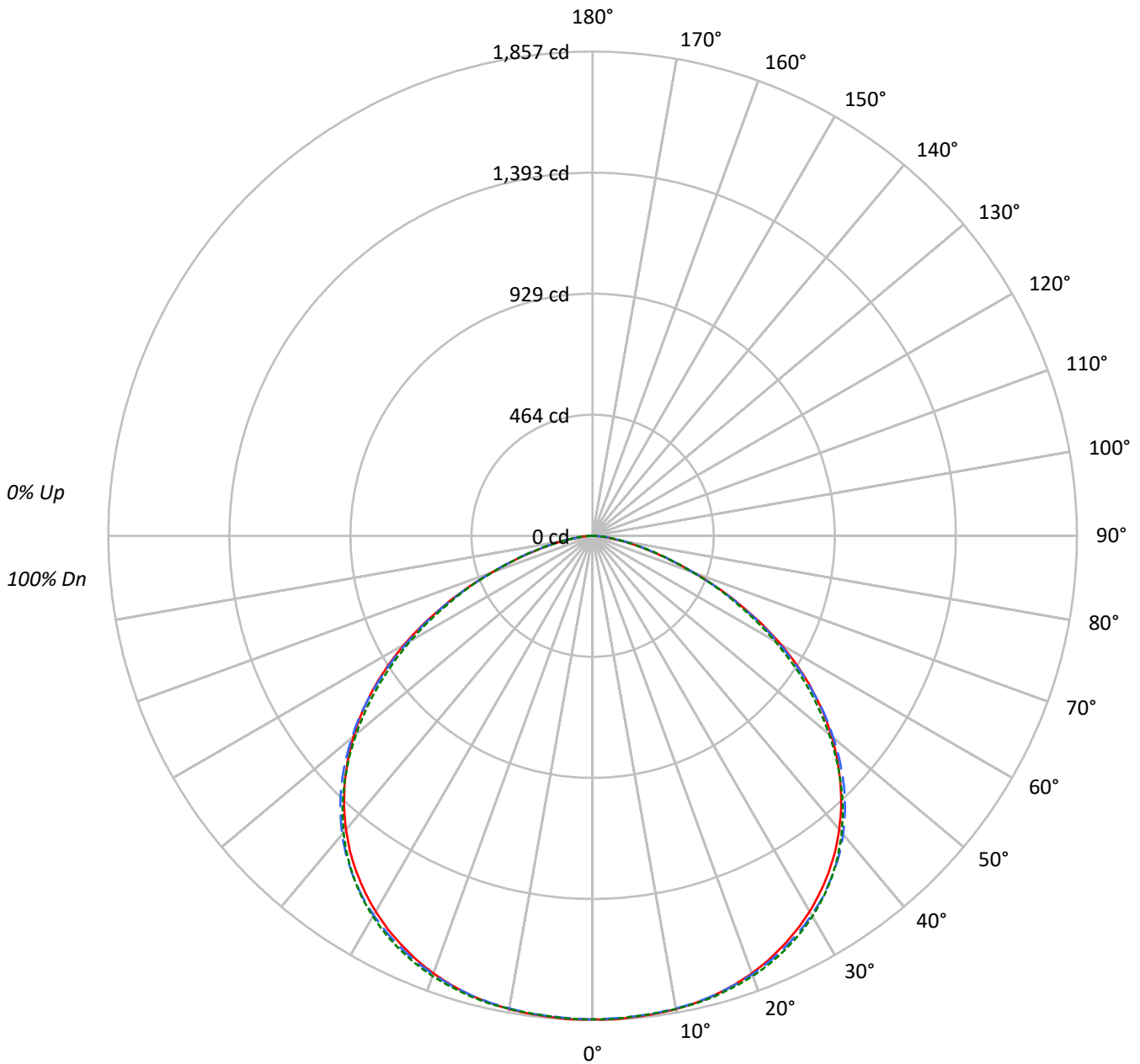
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5361.5 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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: P506452
CATALOG NUMBER: 22PD-70-PW1-L927

Luminous Intensity Polar Plot





TEST NUMBER: P506452

CATALOG NUMBER: 22PD-70-PW1-L927

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85								
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72								
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61								
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52								
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45								
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39								
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35								
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31								
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28								
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4991	4991	4991
5°	5005	4998	4999
10°	5037	5030	5036
15°	5077	5075	5090
20°	5114	5125	5146
25°	5145	5175	5198
30°	5170	5220	5238
35°	5183	5250	5253
40°	5167	5251	5221
45°	5116	5189	5126
50°	5012	5048	4956
55°	4817	4796	4706
60°	4485	4435	4342
65°	3955	3917	3841
70°	3239	3254	3186
75°	2454	2536	2516
80°	1777	1849	1818
85°	1167	1207	1291



TEST NUMBER: P506452

CATALOG NUMBER: 22PD-70-PW1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.4	3.3
10°-20°	515.1	9.6
20°-30°	803.1	15.0
30°-40°	995.4	18.6
40°-50°	1041.6	19.4
50°-60°	907.6	16.9
60°-70°	608.0	11.3
70°-80°	263.6	4.9
80°-90°	50.7	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°	1494.6	27.9
0°-40°	2490.0	46.4
0°-60°	4439.2	82.8
0°-90°	5361.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5361.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1855	1855	1855	1855	1855	
5°	1853	1851	1850	1850	1851	177
15°	1822	1820	1822	1824	1827	515
25°	1733	1734	1743	1748	1751	799
35°	1578	1584	1598	1600	1599	986
45°	1344	1352	1364	1352	1347	1035
55°	1027	1026	1022	1011	1003	914
65°	621	618	615	609	603	614
75°	236	240	244	242	242	260
85°	38	40	39	40	42	49
90°	0	0	0	0	0	



TEST NUMBER: P506452

CATALOG NUMBER: 22PD-70-PW1-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1854.8	1854.8	1854.8	1854.8	1854.8
2.5°	1856.8	1853.5	1852.8	1852.8	1854.8
5°	1852.8	1850.8	1850.1	1849.5	1850.8
7.5°	1848.8	1846.2	1846.8	1845.5	1846.8
10°	1843.5	1840.9	1840.9	1840.9	1842.9
12.5°	1834.2	1832.2	1832.9	1834.2	1836.9
15°	1822.3	1819.7	1821.6	1823.6	1826.9
17.5°	1805.7	1803.7	1807.1	1810.4	1813.0
20°	1785.8	1783.9	1789.8	1794.5	1797.1
22.5°	1761.3	1760.7	1768.6	1773.9	1775.9
25°	1732.8	1733.5	1742.8	1748.1	1750.7
27.5°	1700.3	1701.7	1713.6	1718.2	1720.9
30°	1663.9	1667.2	1679.8	1683.8	1685.7
32.5°	1622.8	1627.4	1642.7	1645.3	1645.3
35°	1577.7	1583.7	1598.2	1600.2	1598.9
37.5°	1527.3	1533.9	1550.5	1547.9	1545.9
40°	1471.0	1478.3	1494.8	1489.5	1486.2
42.5°	1410.6	1417.9	1432.5	1424.6	1419.9
45°	1344.4	1351.6	1363.6	1352.3	1347.0
47.5°	1272.8	1281.4	1287.3	1274.8	1268.1
50°	1197.2	1199.8	1205.8	1191.2	1183.9
52.5°	1115.0	1115.0	1119.6	1103.7	1095.1
55°	1026.8	1026.2	1022.2	1010.9	1003.0
57.5°	933.4	929.4	926.7	914.8	905.5
60°	833.3	827.3	824.0	814.0	806.7
62.5°	728.5	725.2	721.2	713.3	705.3
65°	621.1	617.8	615.2	609.2	603.2
67.5°	514.4	512.4	512.4	508.4	507.8
70°	411.7	413.0	413.6	413.6	405.0
72.5°	318.9	319.5	322.8	320.2	319.5
75°	236.0	240.0	243.9	242.0	242.0
77.5°	169.7	175.7	175.7	174.3	172.4
80°	114.7	117.3	119.3	118.7	117.3
82.5°	72.9	74.9	72.9	74.2	74.9
85°	37.8	40.4	39.1	39.8	41.8
87.5°	12.6	13.9	14.6	13.9	13.9
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)