

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: P506392

Luminaire Tested: **22PD-60-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506392
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-60-PR1-L940
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

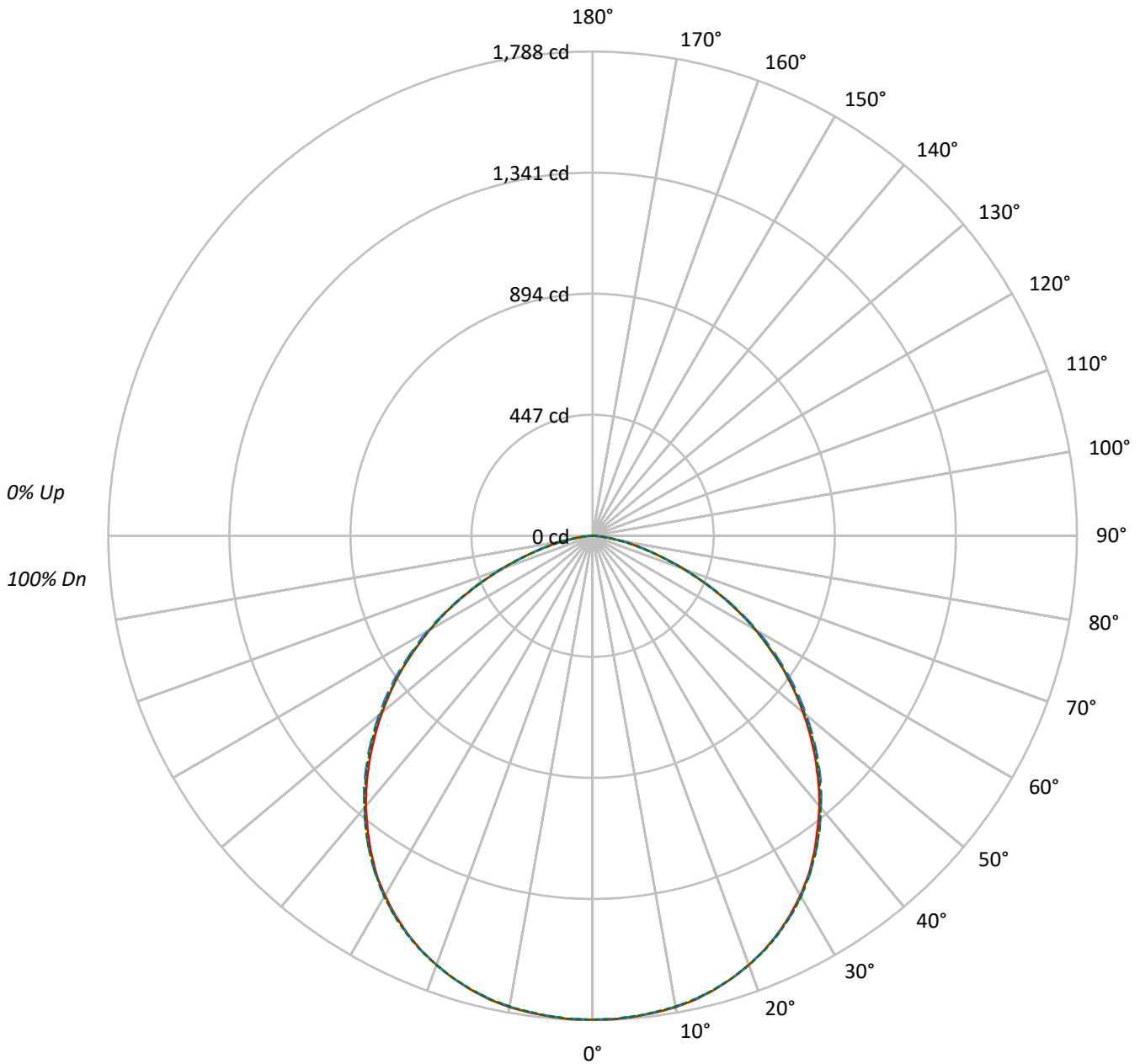
Lumens per Lamp: N/A
Luminaire Lumens: 4774.0 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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: P506392

CATALOG NUMBER: 22PD-60-PR1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P506392

CATALOG NUMBER: 22PD-60-PR1-L940

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°	4808	4808	4808
5°	4815	4811	4811
10°	4830	4823	4823
15°	4836	4831	4833
20°	4829	4827	4831
25°	4809	4814	4817
30°	4765	4780	4782
35°	4685	4710	4708
40°	4575	4607	4601
45°	4425	4482	4459
50°	4246	4311	4276
55°	4030	4094	4036
60°	3736	3788	3723
65°	3333	3368	3330
70°	2804	2804	2785
75°	2197	2197	2172
80°	1610	1592	1582
85°	1050	1050	1068



TEST NUMBER: P506392

CATALOG NUMBER: 22PD-60-PR1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.5	3.6
10°-20°	489.6	10.3
20°-30°	746.8	15.6
30°-40°	895.0	18.7
40°-50°	903.9	18.9
50°-60°	773.4	16.2
60°-70°	521.5	10.9
70°-80°	230.1	4.8
80°-90°	44.2	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°	1405.9	29.4
0°-40°	2300.9	48.2
0°-60°	3978.2	83.3
0°-90°	4774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4774.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1787	1787	1787	1787	1787	
5°	1782	1780	1781	1780	1781	170
15°	1736	1735	1734	1734	1735	490
25°	1620	1621	1621	1621	1622	746
35°	1426	1434	1434	1433	1433	891
45°	1163	1172	1178	1176	1172	896
55°	859	867	873	872	860	765
65°	524	528	529	528	523	517
75°	211	212	211	212	209	230
85°	34	34	34	35	35	44
90°	0	0	0	0	0	



TEST NUMBER: P506392

CATALOG NUMBER: 22PD-60-PR1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1786.6	1786.6	1786.6	1786.6	1786.6
2.5°	1787.8	1785.4	1784.8	1784.2	1786.6
5°	1782.4	1780.0	1781.2	1780.0	1781.2
7.5°	1775.8	1773.5	1774.1	1772.9	1774.1
10°	1767.5	1765.1	1765.1	1763.9	1765.1
12.5°	1754.4	1752.6	1752.0	1750.8	1752.6
15°	1735.9	1735.3	1734.1	1733.5	1734.7
17.5°	1713.2	1712.0	1713.2	1711.4	1712.6
20°	1686.3	1686.9	1685.7	1686.3	1686.9
22.5°	1655.9	1655.9	1656.5	1656.5	1657.7
25°	1619.5	1621.2	1621.2	1621.2	1622.4
27.5°	1578.9	1581.3	1583.0	1581.8	1583.0
30°	1533.5	1537.7	1538.3	1537.7	1538.9
32.5°	1484.5	1487.5	1489.3	1488.1	1486.9
35°	1426.1	1434.4	1433.8	1432.6	1433.2
37.5°	1364.6	1372.9	1375.9	1373.5	1374.1
40°	1302.5	1309.7	1311.4	1312.0	1309.7
42.5°	1233.8	1242.2	1248.8	1245.8	1242.2
45°	1162.8	1171.8	1177.7	1175.9	1171.8
47.5°	1089.4	1097.7	1106.1	1103.1	1098.9
50°	1014.2	1022.5	1029.7	1028.5	1021.3
52.5°	937.2	946.7	953.3	950.9	941.3
55°	859.0	866.7	872.7	871.5	860.2
57.5°	774.2	784.4	787.3	785.6	777.2
60°	694.2	700.8	703.8	701.4	691.8
62.5°	608.9	614.2	616.6	616.0	609.5
65°	523.5	527.7	528.9	527.7	522.9
67.5°	435.8	441.7	442.3	442.3	437.5
70°	356.4	358.2	356.4	361.1	354.0
72.5°	279.4	280.6	279.4	279.4	276.4
75°	211.3	211.9	211.3	211.9	208.9
77.5°	152.8	154.0	151.6	153.4	150.4
80°	103.9	103.9	102.7	103.3	102.1
82.5°	64.5	65.7	63.9	63.9	63.3
85°	34.0	34.0	34.0	34.6	34.6
87.5°	11.9	11.9	12.5	12.5	11.9
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)