

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: P506383

Luminaire Tested: **22PD-60-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PL1-L940
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

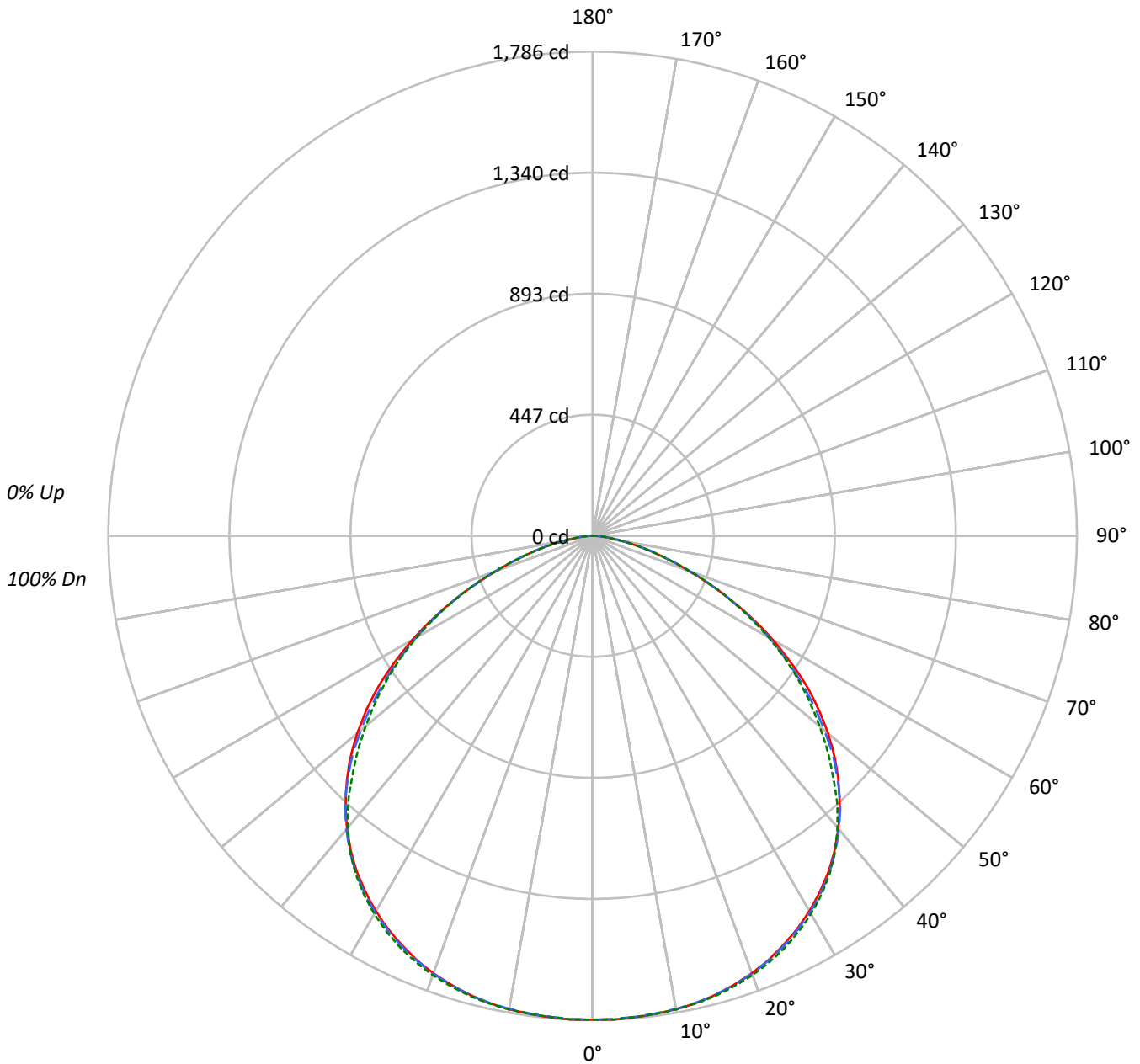
Lumens per Lamp: N/A
Luminaire Lumens: 5056.1 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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: P506383

CATALOG NUMBER: 22PD-60-PL1-L940

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	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4804	4804	4804
5°	4817	4812	4813
10°	4847	4842	4847
15°	4882	4882	4893
20°	4918	4923	4939
25°	4944	4955	4979
30°	4969	4984	5004
35°	4976	4993	5003
40°	4950	4964	4933
45°	4880	4865	4767
50°	4742	4668	4573
55°	4512	4397	4347
60°	4131	4053	4029
65°	3602	3594	3582
70°	2952	3002	2992
75°	2339	2379	2339
80°	1714	1705	1695
85°	1145	1127	1204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	3.4
10°-20°	495.3	9.8
20°-30°	769.9	15.2
30°-40°	949.1	18.8
40°-50°	980.3	19.4
50°-60°	838.8	16.6
60°-70°	559.8	11.1
70°-80°	245.7	4.9
80°-90°	47.5	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°	1434.9	28.4
0°-40°	2384.0	47.2
0°-60°	4203.1	83.1
0°-90°	5056.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5056.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1785	1785	1785	1785	1785	
5°	1783	1781	1781	1780	1782	170
15°	1752	1750	1752	1754	1756	495
25°	1665	1665	1669	1674	1677	768
35°	1515	1515	1520	1523	1523	947
45°	1282	1282	1278	1266	1253	987
55°	962	950	937	932	926	855
65°	566	564	564	566	562	561
75°	225	223	229	228	225	244
85°	37	36	36	38	39	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1785.1	1785.1	1785.1	1785.1	1785.1
2.5°	1786.3	1783.8	1783.2	1783.2	1786.3
5°	1783.2	1780.7	1781.3	1780.0	1781.9
7.5°	1778.8	1776.3	1776.9	1776.3	1778.8
10°	1773.8	1771.2	1771.9	1771.2	1773.8
12.5°	1765.0	1763.1	1764.3	1765.0	1766.8
15°	1752.4	1750.5	1752.4	1753.6	1756.2
17.5°	1736.0	1734.8	1736.7	1738.6	1741.7
20°	1717.2	1715.9	1719.1	1721.0	1724.7
22.5°	1693.9	1692.7	1695.8	1700.2	1702.7
25°	1665.0	1665.0	1668.8	1673.8	1677.0
27.5°	1634.2	1633.6	1638.0	1643.0	1646.2
30°	1599.0	1597.8	1604.0	1608.4	1610.3
32.5°	1558.2	1558.8	1564.5	1568.9	1569.5
35°	1514.8	1514.8	1519.8	1523.0	1523.0
37.5°	1465.1	1464.5	1469.5	1470.8	1468.9
40°	1409.2	1409.8	1413.0	1412.3	1404.2
42.5°	1348.9	1349.5	1352.0	1343.2	1335.0
45°	1282.2	1281.6	1278.5	1266.5	1252.7
47.5°	1211.2	1208.1	1203.0	1184.8	1174.8
50°	1132.6	1127.6	1115.0	1100.6	1092.4
52.5°	1049.7	1040.9	1028.3	1017.0	1010.1
55°	961.7	949.7	937.2	932.1	926.5
57.5°	863.6	856.1	845.4	842.9	839.1
60°	767.5	759.3	753.0	753.0	748.6
62.5°	666.9	661.9	659.3	660.6	656.2
65°	565.7	564.4	564.4	566.3	562.5
67.5°	467.6	470.2	469.5	475.8	470.8
70°	375.2	379.6	381.5	387.8	380.3
72.5°	295.4	296.0	298.6	300.4	296.7
75°	225.0	223.1	228.8	227.5	225.0
77.5°	162.8	161.5	163.4	164.7	161.5
80°	110.6	109.4	110.0	111.9	109.4
82.5°	69.8	68.5	68.5	70.4	69.8
85°	37.1	36.5	36.5	37.7	39.0
87.5°	13.2	12.6	13.2	13.2	13.2
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)