

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: P506393

Luminaire Tested: **22PD-60-PR1-L950**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506393  
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-L950  
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS  
Light Source: -  
Ballast/Driver: -

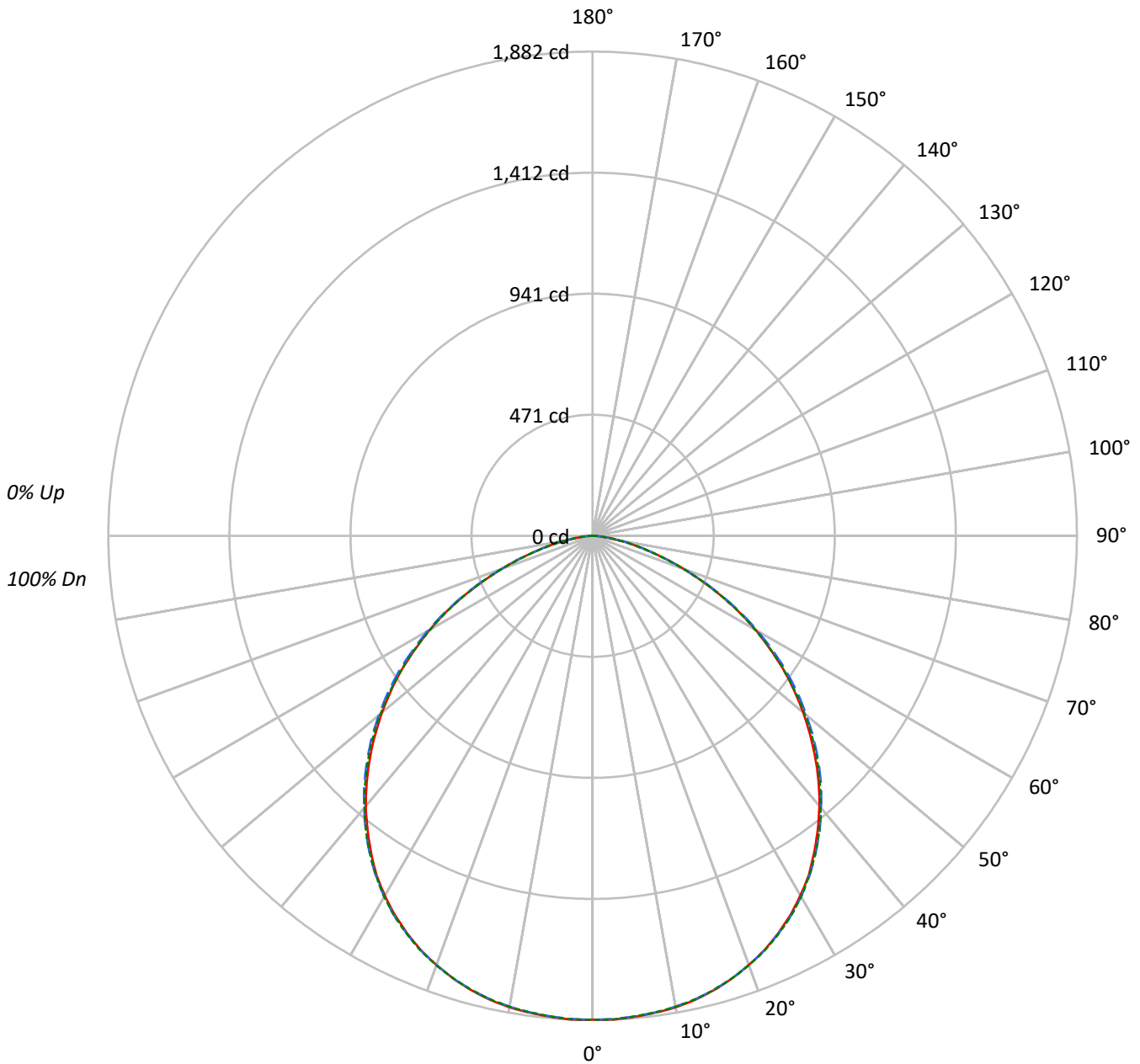
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5027.0 lumens  
Efficiency: N/A  
Efficacy: 95.8 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<sub>in</sub>): 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°	5063	5063	5063
5°	5070	5066	5066
10°	5086	5079	5079
15°	5092	5087	5089
20°	5085	5083	5087
25°	5063	5069	5073
30°	5018	5033	5035
35°	4933	4960	4958
40°	4818	4851	4845
45°	4660	4719	4696
50°	4471	4539	4502
55°	4244	4312	4250
60°	3934	3989	3921
65°	3510	3546	3506
70°	2952	2952	2932
75°	2313	2313	2287
80°	1695	1675	1666
85°	1105	1105	1127



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.5	3.6
10°-20°	515.5	10.3
20°-30°	786.4	15.6
30°-40°	942.5	18.7
40°-50°	951.8	18.9
50°-60°	814.4	16.2
60°-70°	549.2	10.9
70°-80°	242.3	4.8
80°-90°	46.5	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°	1480.4	29.4
0°-40°	2422.9	48.2
0°-60°	4189.1	83.3
0°-90°	5027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5027.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1881	1881	1881	1881	1881	
5°	1877	1874	1876	1874	1876	179
15°	1828	1827	1826	1825	1827	516
25°	1705	1707	1707	1707	1708	785
35°	1502	1510	1510	1508	1509	938
45°	1224	1234	1240	1238	1234	944
55°	904	913	919	918	906	806
65°	551	556	557	556	551	545
75°	222	223	222	223	220	242
85°	36	36	36	36	36	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1881.3	1881.3	1881.3	1881.3	1881.3
2.5°	1882.5	1880.0	1879.4	1878.8	1881.3
5°	1876.9	1874.4	1875.6	1874.4	1875.6
7.5°	1870.0	1867.4	1868.1	1866.8	1868.1
10°	1861.2	1858.6	1858.6	1857.4	1858.6
12.5°	1847.3	1845.4	1844.8	1843.6	1845.4
15°	1827.8	1827.2	1826.0	1825.3	1826.6
17.5°	1804.0	1802.7	1804.0	1802.1	1803.3
20°	1775.7	1776.3	1775.0	1775.7	1776.3
22.5°	1743.6	1743.6	1744.2	1744.2	1745.5
25°	1705.3	1707.2	1707.2	1707.2	1708.4
27.5°	1662.5	1665.0	1666.9	1665.7	1666.9
30°	1614.8	1619.2	1619.8	1619.2	1620.4
32.5°	1563.2	1566.4	1568.3	1567.0	1565.7
35°	1501.6	1510.4	1509.8	1508.5	1509.2
37.5°	1436.9	1445.7	1448.8	1446.3	1446.9
40°	1371.5	1379.1	1380.9	1381.6	1379.1
42.5°	1299.2	1308.0	1314.9	1311.8	1308.0
45°	1224.4	1233.9	1240.1	1238.3	1233.9
47.5°	1147.1	1155.9	1164.7	1161.6	1157.2
50°	1067.9	1076.7	1084.3	1083.0	1075.5
52.5°	986.8	996.9	1003.8	1001.3	991.2
55°	904.5	912.7	919.0	917.7	905.8
57.5°	815.2	825.9	829.1	827.2	818.4
60°	731.0	737.9	741.1	738.6	728.5
62.5°	641.1	646.8	649.3	648.7	641.8
65°	551.2	555.6	556.9	555.6	550.6
67.5°	458.8	465.1	465.8	465.8	460.7
70°	375.2	377.1	375.2	380.3	372.7
72.5°	294.2	295.4	294.2	294.2	291.0
75°	222.5	223.1	222.5	223.1	220.0
77.5°	160.9	162.2	159.7	161.5	158.4
80°	109.4	109.4	108.1	108.7	107.5
82.5°	67.9	69.1	67.3	67.3	66.6
85°	35.8	35.8	35.8	36.5	36.5
87.5°	12.6	12.6	13.2	13.2	12.6
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)