

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: P506042

Luminaire Tested: **14PD-60-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-60-PR1-L950
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

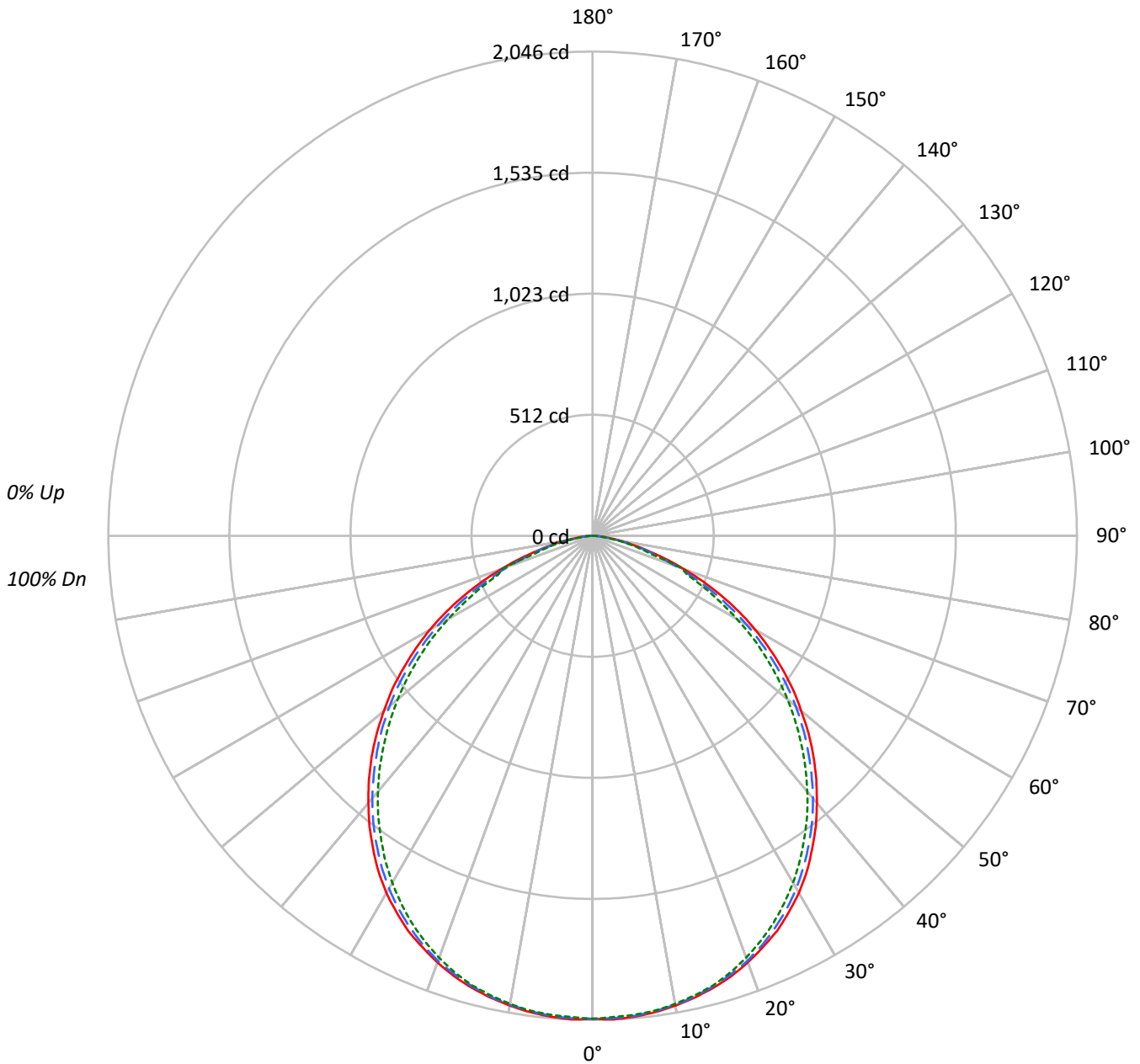
Lumens per Lamp: N/A
Luminaire Lumens: 5252.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
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

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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	100	96	99	96	93	95	93	90	91	90	88	86			86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73			73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53			53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46			46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41			41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32			32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29			29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5492	5492	5492
5°	5510	5502	5488
10°	5510	5499	5488
15°	5508	5491	5480
20°	5494	5474	5433
25°	5471	5423	5363
30°	5415	5346	5261
35°	5310	5230	5123
40°	5177	5088	4957
45°	5024	4900	4747
50°	4816	4689	4498
55°	4581	4401	4192
60°	4265	4042	3792
65°	3829	3559	3328
70°	3221	2935	3173
75°	2480	2385	2144
80°	1785	1598	1519
85°	1093	936	843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	3.7
10°-20°	555.7	10.6
20°-30°	839.4	16.0
30°-40°	993.1	18.9
40°-50°	990.2	18.9
50°-60°	836.6	15.9
60°-70°	557.4	10.6
70°-80°	242.1	4.6
80°-90°	43.9	0.8
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°	1588.6	30.2
0°-40°	2581.8	49.2
0°-60°	4408.6	83.9
0°-90°	5252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5252.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2041	2041	2041	2041	2041	
5°	2040	2032	2037	2035	2032	194
15°	1977	1968	1971	1968	1967	558
25°	1843	1830	1826	1810	1806	848
35°	1616	1605	1592	1571	1560	1011
45°	1320	1308	1288	1260	1247	1017
55°	976	969	938	908	894	872
65°	601	594	559	535	523	594
75°	238	234	229	221	206	261
85°	35	36	30	28	27	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2040.8	2040.8	2040.8	2040.8	2040.8
2.5°	2045.8	2036.7	2040.8	2040.8	2035.7
5°	2039.8	2031.7	2036.7	2034.7	2031.7
7.5°	2030.7	2022.6	2025.6	2024.6	2023.6
10°	2016.5	2008.4	2012.5	2010.5	2008.4
12.5°	1998.3	1990.2	1994.3	1991.3	1989.2
15°	1977.1	1968.0	1971.0	1968.0	1967.0
17.5°	1950.8	1941.7	1942.7	1938.7	1934.7
20°	1918.5	1910.4	1911.4	1901.3	1897.3
22.5°	1881.1	1873.0	1872.0	1858.8	1853.8
25°	1842.7	1830.5	1826.5	1810.3	1806.3
27.5°	1794.2	1783.0	1777.0	1759.8	1751.7
30°	1742.6	1730.5	1720.4	1701.2	1693.1
32.5°	1684.0	1671.8	1658.7	1638.5	1629.4
35°	1616.3	1605.1	1592.0	1570.8	1559.6
37.5°	1548.5	1536.4	1523.3	1498.0	1488.9
40°	1473.7	1462.6	1448.5	1421.2	1411.1
42.5°	1398.9	1385.8	1368.6	1342.3	1331.2
45°	1320.1	1308.0	1287.7	1260.5	1247.3
47.5°	1237.2	1227.1	1205.9	1176.6	1162.4
50°	1150.3	1142.2	1120.0	1087.6	1074.5
52.5°	1067.4	1056.3	1031.0	998.7	984.5
55°	976.4	969.3	938.0	907.7	893.5
57.5°	885.5	876.4	845.0	814.7	801.6
60°	792.5	784.4	751.0	720.7	704.5
62.5°	698.5	689.4	654.0	626.7	611.5
65°	601.4	594.3	559.0	534.7	522.6
67.5°	504.4	499.3	461.9	441.7	432.6
70°	409.4	402.3	373.0	364.9	403.3
72.5°	321.4	312.3	287.1	273.9	263.8
75°	238.5	233.5	229.4	221.4	206.2
77.5°	167.8	166.8	152.6	141.5	152.6
80°	115.2	119.3	103.1	94.0	98.0
82.5°	70.8	78.8	61.7	54.6	52.6
85°	35.4	36.4	30.3	28.3	27.3
87.5°	13.1	15.2	13.1	11.1	11.1
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)