

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1311487

Luminaire Tested: LDSQA3D13R309040DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309040DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

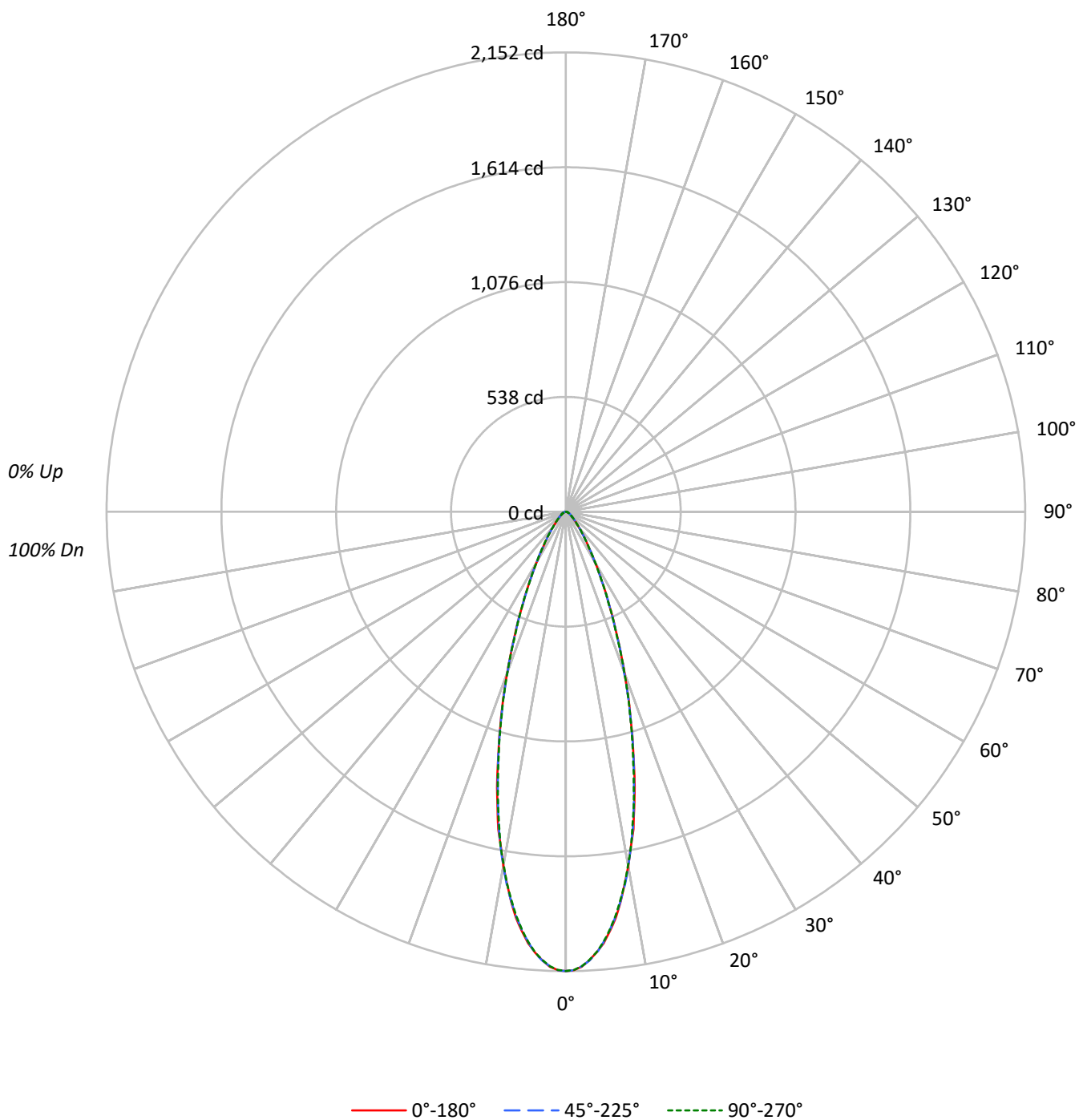
Lumens per Lamp: N/A
Luminaire Lumens: 944.9 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): 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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	370589	370589	370589
5°	350844	349945	349772
10°	294742	294742	293658
15°	219610	219039	217738
20°	146969	146217	146400
25°	90605	90396	90795
30°	54469	54469	54688
35°	33408	33408	33639
40°	21156	21156	21628
45°	14516	14760	14760
50°	10637	10637	10637
55°	8167	8467	8467
60°	6854	6854	7199
65°	5950	5950	5950
70°	5287	5791	5791
75°	4858	4858	4858
80°	4166	4166	4166
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 14760 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	19.3
10°-20°	336.8	35.6
20°-30°	223.9	23.7
30°-40°	103.5	11.0
40°-50°	48.0	5.1
50°-60°	25.7	2.7
60°-70°	15.0	1.6
70°-80°	7.9	0.8
80°-90°	1.7	0.2
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°	743.1	78.6
0°-40°	846.6	89.6
0°-60°	920.3	97.4
0°-90°	944.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	944.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2152	2152	2152	2152	2152	
5°	2029	2025	2024	2029	2023	183
15°	1232	1236	1228	1228	1221	338
25°	477	476	476	476	478	224
35°	159	158	159	160	160	103
45°	60	60	61	61	61	48
55°	27	28	28	28	28	25
65°	15	15	15	15	15	15
75°	7	7	7	7	7	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2151.8	2151.8	2151.8	2151.8	2151.8
1°	2147.6	2145.5	2147.6	2150.7	2146.5
2°	2132.9	2130.9	2130.9	2135.0	2130.9
3°	2104.7	2106.8	2105.8	2109.9	2102.6
4°	2069.2	2068.1	2072.3	2074.4	2068.1
5°	2029.4	2025.3	2024.2	2029.4	2023.2
6°	1975.1	1971.9	1969.8	1976.1	1967.7
7°	1916.5	1914.4	1911.3	1913.4	1907.1
8°	1844.4	1843.3	1841.2	1843.3	1836.0
9°	1763.9	1763.9	1768.0	1767.0	1762.8
10°	1685.4	1687.5	1685.4	1687.5	1679.2
11°	1597.6	1597.6	1599.7	1598.7	1599.7
12°	1521.3	1512.9	1510.8	1508.7	1502.5
13°	1423.0	1416.7	1414.6	1416.7	1413.6
14°	1333.1	1328.9	1318.5	1320.5	1316.4
15°	1231.7	1235.9	1228.5	1228.5	1221.2
17.5°	1006.9	1002.7	1004.8	1005.8	1002.7
20°	801.9	799.9	797.8	795.7	798.8
22.5°	623.2	624.2	622.1	620.0	617.9
25°	476.8	475.7	475.7	475.7	477.8
27.5°	361.8	361.8	361.8	362.8	362.8
30°	273.9	271.8	273.9	275.0	275.0
32.5°	204.9	207.0	208.1	208.1	208.1
35°	158.9	157.9	158.9	160.0	160.0
37.5°	121.3	121.3	122.3	122.3	123.4
40°	94.1	94.1	94.1	95.1	96.2
42.5°	74.2	74.2	75.3	75.3	76.3
45°	59.6	59.6	60.6	60.6	60.6
47.5°	48.1	48.1	49.1	49.1	49.1
50°	39.7	39.7	39.7	39.7	39.7
52.5°	33.5	32.4	33.5	33.5	33.5
55°	27.2	28.2	28.2	28.2	28.2
57.5°	23.0	24.0	24.0	24.0	24.0
60°	19.9	19.9	19.9	20.9	20.9
62.5°	16.7	17.8	17.8	17.8	17.8
65°	14.6	14.6	14.6	14.6	14.6
67.5°	12.5	12.5	12.5	12.5	13.6
70°	10.5	10.5	11.5	11.5	11.5
72.5°	9.4	9.4	9.4	9.4	9.4
75°	7.3	7.3	7.3	7.3	7.3
77.5°	5.2	5.2	6.3	6.3	5.2
80°	4.2	4.2	4.2	4.2	4.2
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)