

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: P1307758

Luminaire Tested: LDSQA3D05R159027DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159027DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

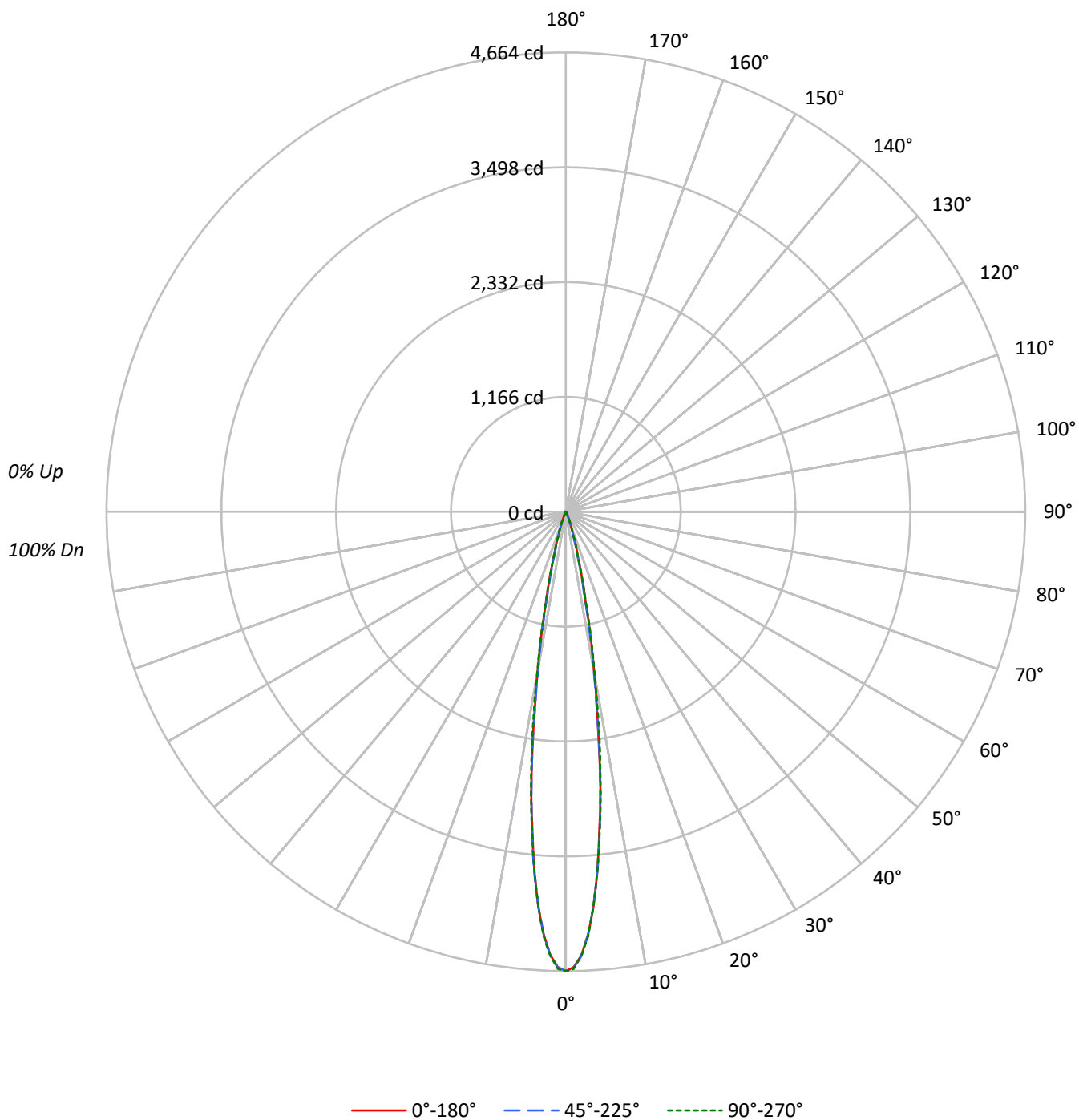
Lumens per Lamp: N/A
Luminaire Lumens: 467.0 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

TEST NUMBER: P1307758

CATALOG NUMBER: LDSQA3D05R159027DE010 3LSQPHR1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	803229	803229	803229
5°	633590	635284	633019
10°	289863	282273	296001
15°	86189	76936	84442
20°	25585	24816	26887
25°	7278	9406	8437
30°	2605	2784	2506
35°	988	883	883
40°	427	202	315
45°	219	122	219
50°	134	0	134
55°	150	0	150
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 229 cd/sqm

TEST NUMBER: P1307758

CATALOG NUMBER: LDSQA3D05R159027DE010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.8	60.3
10°-20°	156.4	33.5
20°-30°	24.9	5.3
30°-40°	3.3	0.7
40°-50°	0.5	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	463.1	99.2
0°-40°	466.4	99.9
0°-60°	467.0	100.0
0°-90°	467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	467.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4664	4664	4664	4664	4664	
5°	3665	3696	3675	3659	3662	281
15°	483	477	432	459	474	159
25°	38	43	50	49	44	23
35°	5	5	4	5	4	3
45°	1	1	0	0	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4663.9	4663.9	4663.9	4663.9	4663.9	4663.9	4663.9	4663.9	4663.9	4663.9	4663.9
1°	4623.7	4628.9	4635.4	4629.3	4623.7	4628.9	4621.9	4622.8	4617.2	4629.3	4642.9
2°	4506.0	4512.6	4508.9	4500.4	4513.5	4514.5	4500.0	4493.0	4492.0	4504.2	4508.9
3°	4297.7	4312.7	4313.2	4310.4	4306.2	4297.7	4282.8	4292.6	4279.1	4270.7	4318.3
4°	4020.8	4033.9	4049.3	4039.0	4008.2	4011.0	4020.8	3987.6	3989.5	4008.6	4010.0
5°	3664.9	3704.6	3706.5	3692.0	3667.7	3674.7	3667.7	3658.4	3661.6	3673.8	3661.6
6°	3246.0	3290.8	3257.6	3289.4	3282.4	3291.3	3293.6	3283.8	3290.8	3283.3	3281.0
7°	2884.0	2849.9	2854.6	2841.5	2855.5	2864.9	2870.5	2853.6	2867.2	2888.7	2894.7
8°	2435.2	2425.4	2415.6	2438.9	2432.4	2443.6	2450.6	2469.3	2468.3	2474.9	2496.4
9°	2007.8	2022.3	2031.2	2010.6	2028.4	1993.8	2006.0	2055.9	2042.9	2055.9	2094.2
10°	1657.5	1669.2	1656.1	1655.7	1637.0	1614.1	1612.7	1631.4	1670.6	1701.4	1692.6
12.5°	914.5	924.7	926.2	925.2	891.6	853.8	860.8	875.7	900.0	910.3	927.1
15°	483.4	482.9	488.1	473.6	455.8	431.5	433.4	454.0	472.2	476.9	473.6
17.5°	248.0	248.9	252.7	248.9	230.3	232.6	237.7	240.1	250.8	255.0	252.7
20°	139.6	140.1	139.6	141.0	133.6	135.4	142.0	142.4	144.8	147.1	146.7
22.5°	79.9	80.3	83.1	82.2	80.3	82.7	84.1	86.4	87.3	86.4	89.2
25°	38.3	38.8	38.8	44.4	47.2	49.5	50.4	49.5	48.6	44.8	44.4
27.5°	22.0	22.0	22.9	23.4	24.3	28.5	28.0	23.4	19.6	19.6	20.1
30°	13.1	12.6	12.6	13.1	13.5	14.0	13.1	12.6	12.6	13.1	12.6
32.5°	7.9	7.9	7.9	7.5	7.5	7.0	7.0	7.9	7.9	7.9	7.9
35°	4.7	4.7	4.7	4.7	4.2	4.2	4.2	4.7	4.7	4.2	4.2
37.5°	2.8	2.8	2.8	2.3	2.3	1.9	2.3	2.3	2.3	2.3	2.3
40°	1.9	1.9	1.4	1.4	0.9	0.9	0.9	1.4	1.4	1.4	1.4
42.5°	1.4	1.4	0.9	0.9	0.5	0.5	0.5	0.9	0.9	0.9	0.9
45°	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
47.5°	0.9	0.9	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
50°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
52.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)