

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: P1306799

Luminaire Tested: LDSQA3D05R209024DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209024DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

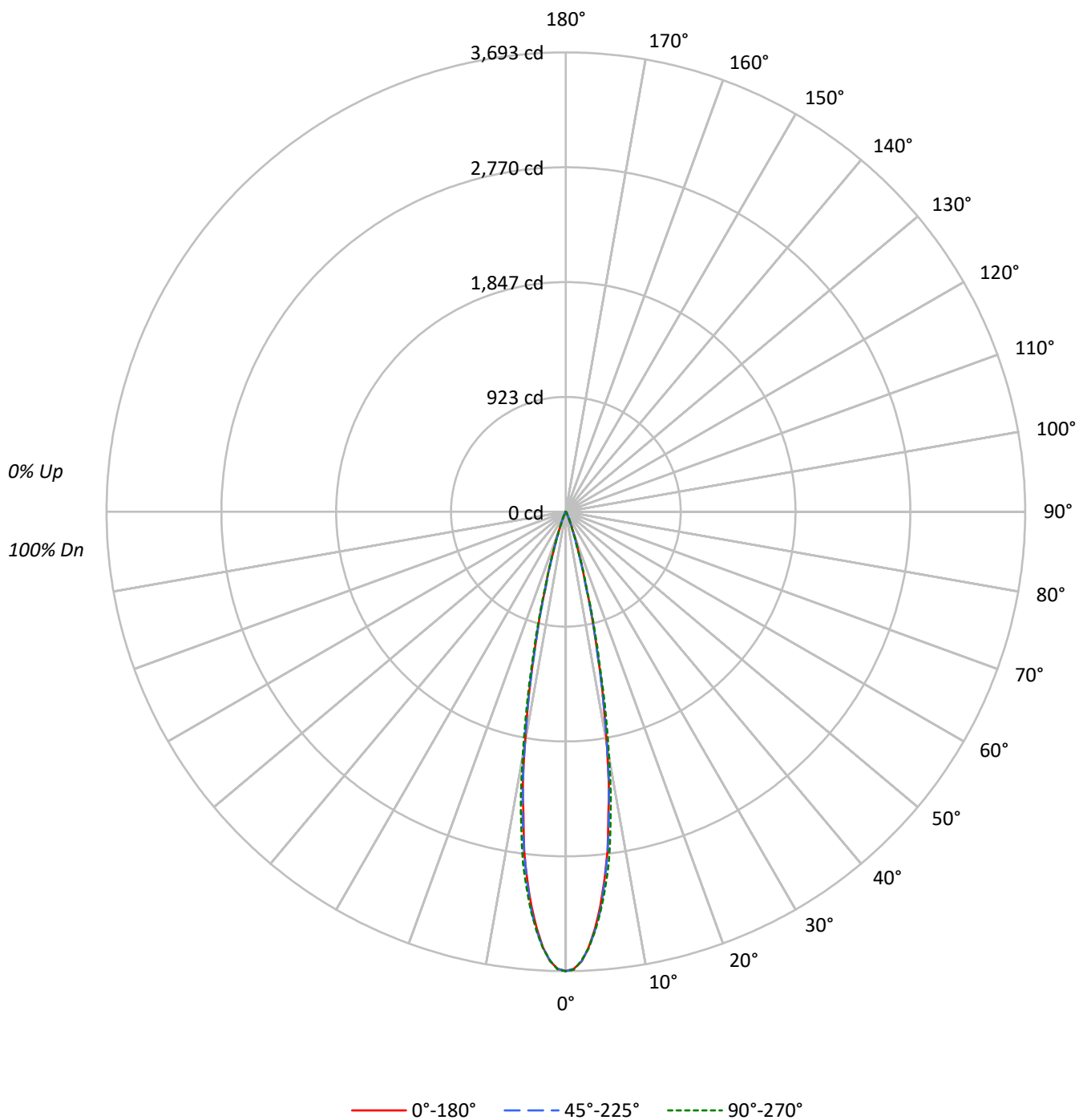
Lumens per Lamp: N/A
Luminaire Lumens: 496.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306799

CATALOG NUMBER: LDSQA3D05R209024DE010 3LSQPHR1MMS

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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	636001	636001	636001
5°	549432	554549	556606
10°	330750	333845	350458
15°	114396	111722	120619
20°	30039	28261	28353
25°	6556	7886	8988
30°	2804	2804	2903
35°	1577	1388	1493
40°	697	787	899
45°	219	317	317
50°	107	107	107
55°	0	0	0
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: 22.5°

Vertical Angle: 45°

Luminance: 317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.1	53.3
10°-20°	201.1	40.5
20°-30°	24.9	5.0
30°-40°	4.7	0.9
40°-50°	1.1	0.2
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°	490.1	98.8
0°-40°	494.8	99.8
0°-60°	496.0	100.0
0°-90°	496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3693	3693	3693	3693	3693	
5°	3178	3176	3208	3206	3220	262
15°	642	619	627	664	676	201
25°	34	39	42	43	47	24
35°	8	8	7	7	7	5
45°	1	1	1	1	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°	22.5°	45°	67.5°	90°
0°	3692.9	3692.9	3692.9	3692.9	3692.9
1°	3675.6	3671.2	3674.7	3667.2	3682.7
2°	3616.9	3612.4	3612.4	3608.0	3610.2
3°	3507.3	3514.3	3509.9	3500.6	3512.6
4°	3357.9	3365.9	3372.9	3373.4	3375.1
5°	3178.1	3175.9	3207.7	3205.5	3219.6
6°	2973.0	2970.4	2984.1	3007.1	3035.3
7°	2747.7	2715.4	2752.1	2798.5	2836.5
8°	2456.0	2464.4	2489.6	2544.4	2574.9
9°	2208.6	2159.5	2213.0	2278.4	2311.5
10°	1891.3	1851.5	1909.0	1977.9	2004.0
12.5°	1190.4	1156.0	1174.5	1247.0	1258.5
15°	641.6	618.6	626.6	664.2	676.5
17.5°	327.4	306.7	302.3	326.1	328.8
20°	163.9	159.1	154.2	156.4	154.7
22.5°	76.0	82.6	81.7	77.3	82.6
25°	34.5	39.3	41.5	43.3	47.3
27.5°	21.2	20.3	23.4	25.2	25.6
30°	14.1	13.7	14.1	14.6	14.6
32.5°	10.2	9.7	9.3	9.3	9.7
35°	7.5	7.5	6.6	7.1	7.1
37.5°	5.3	5.3	4.9	5.3	5.3
40°	3.1	3.5	3.5	3.5	4.0
42.5°	1.8	2.2	2.2	2.2	2.2
45°	0.9	1.3	1.3	1.3	1.3
47.5°	0.4	0.4	0.4	0.9	0.9
50°	0.4	0.4	0.4	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)