

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: P1307863

Luminaire Tested: LDSQA3D05R559027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

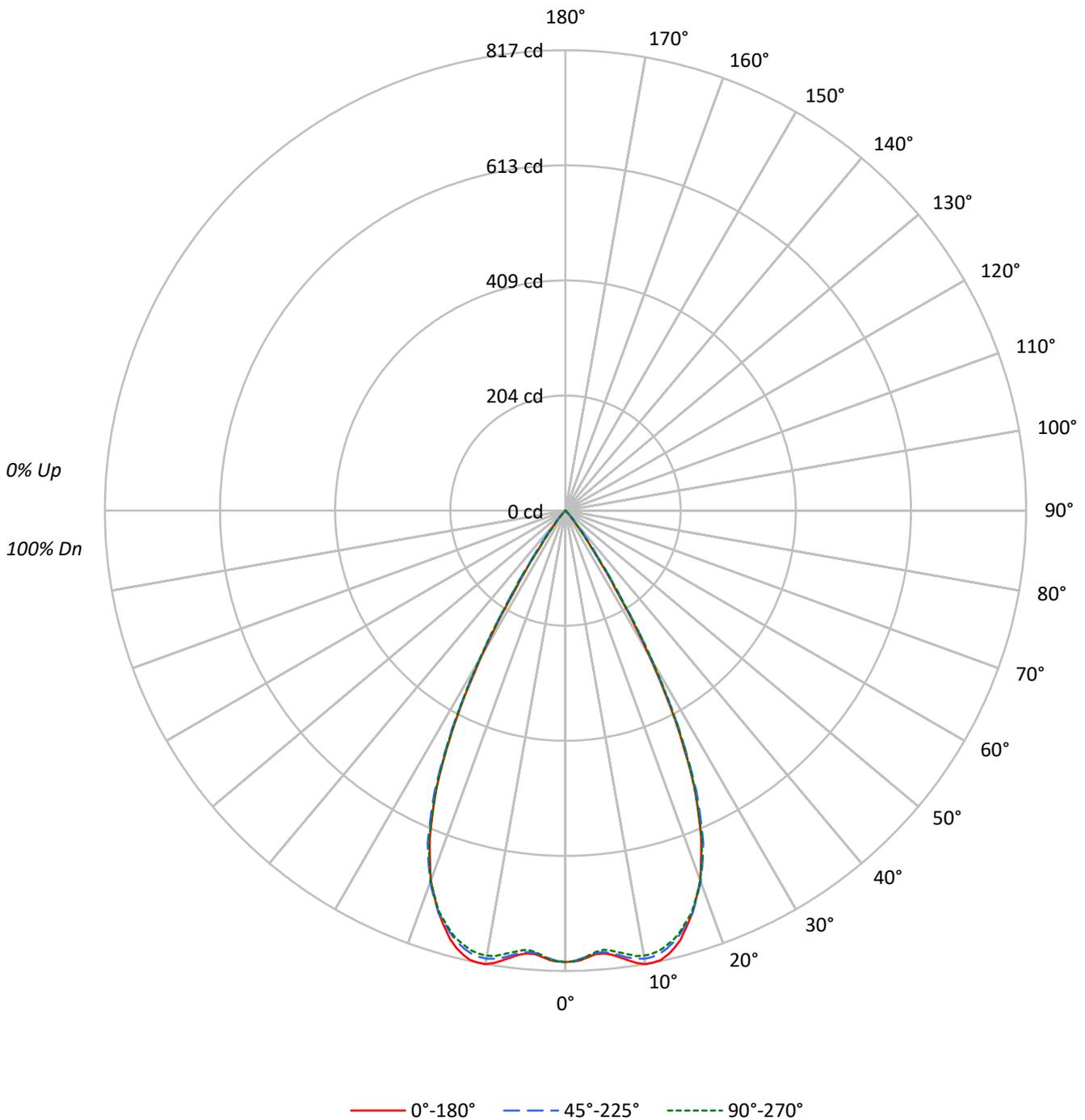
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 609.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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

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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	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	137950	137950	137950
5°	136385	135971	135244
10°	142946	141233	140253
15°	140570	139072	138573
20°	128036	128549	128128
25°	102728	104325	102728
30°	58964	60455	60913
35°	16820	20247	17303
40°	4317	6205	4406
45°	463	2168	341
50°	0	375	0
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: 45°
 Vertical Angle: 45°
 Luminance: 2168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	12.5
10°-20°	217.0	35.6
20°-30°	239.0	39.3
30°-40°	71.4	11.7
40°-50°	5.5	0.9
50°-60°	0.0	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°	532.1	87.4
0°-40°	603.5	99.1
0°-60°	609.0	100.0
0°-90°	609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	789	788	786	783	782	77
15°	788	783	780	777	777	219
25°	541	541	549	548	541	237
35°	80	85	96	88	82	66
45°	2	5	9	5	1	4
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	801.0	801.0	801.0	801.0	801.0
1°	800.6	800.6	799.6	799.2	800.6
2°	798.2	798.2	795.9	795.4	796.8
3°	793.1	792.6	790.8	789.4	790.3
4°	788.9	788.0	786.5	784.2	784.7
5°	788.9	787.5	786.5	783.3	782.3
6°	792.6	791.7	789.8	786.5	785.6
7°	799.2	797.3	795.4	791.2	790.3
8°	806.2	804.8	801.0	796.8	795.0
9°	813.2	809.9	805.3	801.0	800.6
10°	817.4	812.7	807.6	802.4	802.0
11°	816.9	812.7	806.7	802.0	801.5
12°	815.1	809.0	803.9	798.2	798.7
13°	808.5	802.9	797.8	793.6	792.6
14°	799.6	794.5	789.8	785.6	786.1
15°	788.4	782.8	780.0	776.7	777.2
17.5°	748.7	747.3	748.7	744.9	746.3
20°	698.6	697.2	701.4	699.6	699.1
22.5°	629.0	630.8	638.8	636.4	632.2
25°	540.6	540.6	549.0	548.1	540.6
27.5°	425.5	428.8	434.0	436.3	430.7
30°	296.5	304.0	304.0	308.6	306.3
32.5°	165.5	181.4	185.2	187.5	178.2
35°	80.0	85.1	96.3	87.9	82.3
37.5°	38.3	40.7	51.9	42.1	39.3
40°	19.2	22.0	27.6	22.9	19.6
42.5°	7.9	11.7	14.5	11.7	7.9
45°	1.9	4.7	8.9	4.7	1.4
47.5°	0.0	0.5	4.2	0.9	0.0
50°	0.0	0.0	1.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)