

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: P1313303

Luminaire Tested: LDSQA3D05R159727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

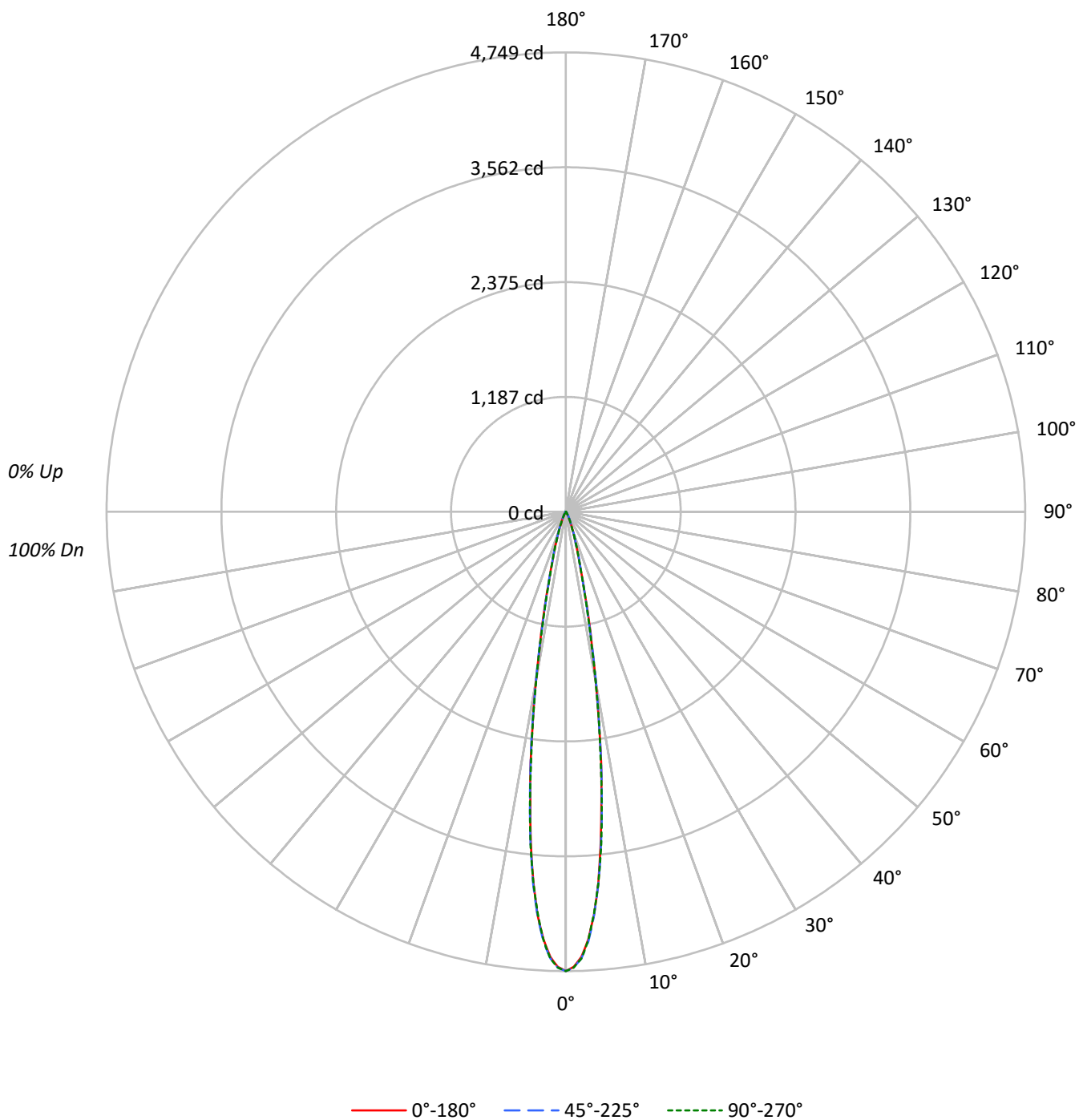
Lumens per Lamp: N/A
Luminaire Lumens: 530.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	92	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	817851	817851	817851
5°	665884	668062	666748
10°	310621	313401	309449
15°	97547	98367	97761
20°	38653	40174	37425
25°	15620	18889	15050
30°	6244	8591	5926
35°	1850	3784	1766
40°	562	1416	472
45°	97	317	97
50°	0	107	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: 317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.3	56.1
10°-20°	177.8	33.6
20°-30°	44.8	8.5
30°-40°	9.2	1.7
40°-50°	0.8	0.2
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°	520.0	98.1
0°-40°	529.1	99.8
0°-60°	530.0	100.0
0°-90°	530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4749	4749	4749	4749	4749	
5°	3852	3845	3864	3855	3857	296
15°	547	552	552	544	548	178
25°	82	90	99	88	79	42
35°	9	12	18	11	8	7
45°	0	1	1	1	0	0
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°	4748.8	4748.8	4748.8	4748.8	4748.8
1°	4706.0	4722.0	4713.6	4720.3	4712.7
2°	4604.2	4625.5	4618.8	4616.7	4622.6
3°	4424.7	4449.5	4448.6	4442.3	4432.3
4°	4179.9	4169.9	4185.4	4183.7	4166.5
5°	3851.7	3844.6	3864.3	3854.6	3856.7
6°	3450.1	3481.1	3474.4	3475.2	3483.2
7°	3018.7	3035.5	3049.7	3061.5	3045.1
8°	2622.6	2618.4	2619.6	2633.0	2587.8
9°	2179.0	2205.0	2188.3	2161.4	2178.6
10°	1776.2	1792.1	1792.1	1768.6	1769.5
11°	1416.1	1429.1	1419.9	1425.7	1388.8
12°	1141.5	1109.2	1101.7	1107.5	1107.1
13°	871.5	873.6	871.5	871.1	866.9
14°	683.3	694.2	689.6	678.3	673.2
15°	547.1	551.7	551.7	543.7	548.3
17.5°	328.7	334.1	335.4	329.9	329.9
20°	210.9	213.4	219.2	211.3	204.2
22.5°	130.0	135.4	145.5	133.7	127.9
25°	82.2	89.7	99.4	88.0	79.2
27.5°	51.6	57.9	66.2	55.3	49.9
30°	31.4	35.6	43.2	34.8	29.8
32.5°	17.6	21.0	27.2	20.1	16.8
35°	8.8	11.7	18.0	11.3	8.4
37.5°	5.0	6.3	11.3	5.4	4.6
40°	2.5	3.4	6.3	3.4	2.1
42.5°	0.8	1.7	2.5	1.7	0.8
45°	0.4	0.8	1.3	0.8	0.4
47.5°	0.0	0.0	0.4	0.0	0.0
50°	0.0	0.0	0.4	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)