

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: P1315357

Luminaire Tested: LDSQA3D05R559735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

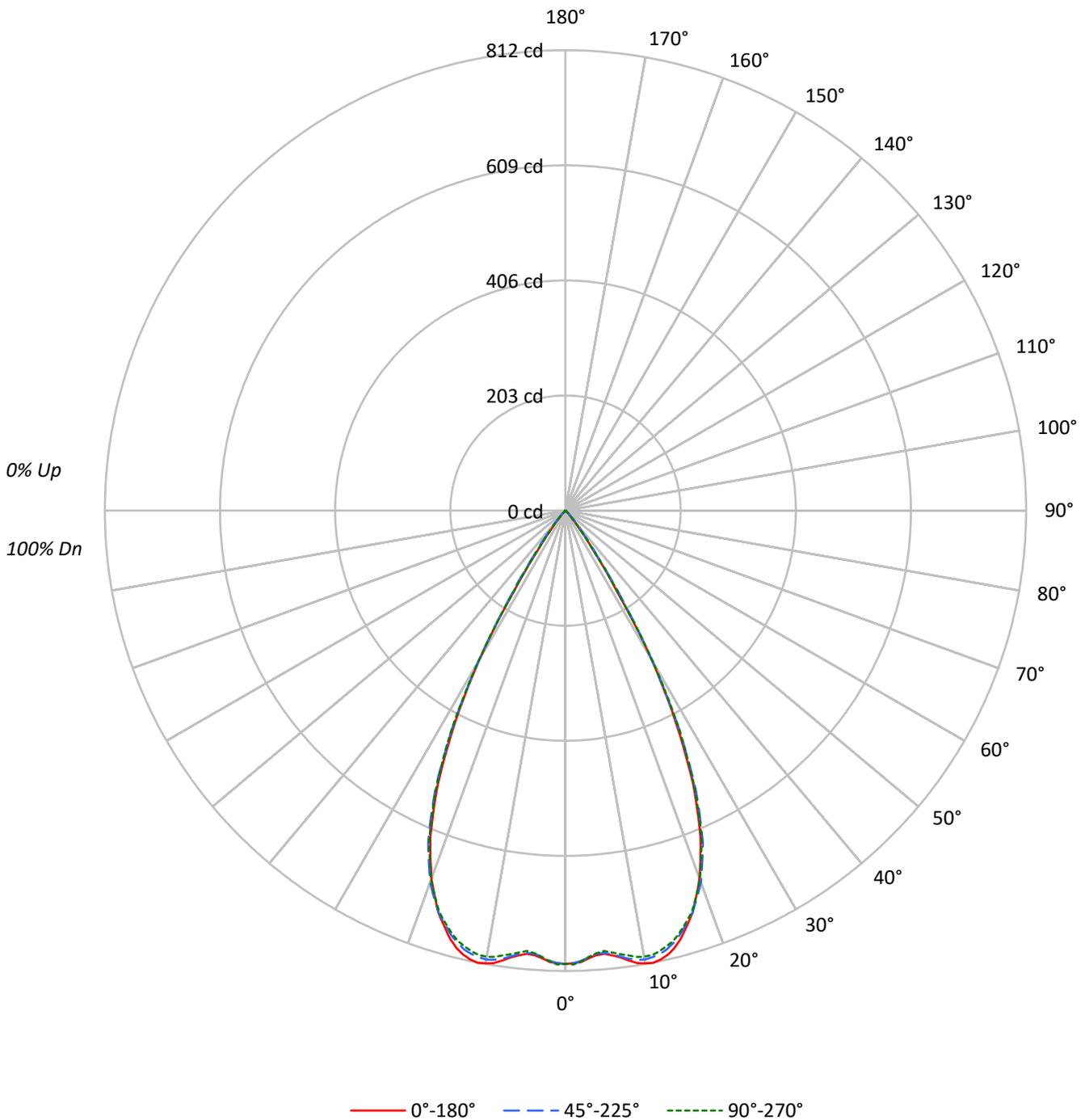
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 613.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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 (A_{in}): 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				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	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	137675	137675	137675
5°	135694	135452	134812
10°	141827	140603	139711
15°	139625	138377	137789
20°	126607	127890	126937
25°	101246	103355	102386
30°	60714	60714	61449
35°	17534	20772	18123
40°	5036	6812	5036
45°	1145	2606	1145
50°	509	884	375
55°	420	420	420
60°	482	482	482
65°	367	367	367
70°	453	453	453
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2606 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	12.4
10°-20°	216.0	35.2
20°-30°	238.0	38.8
30°-40°	72.8	11.9
40°-50°	7.2	1.2
50°-60°	1.3	0.2
60°-70°	1.0	0.2
70°-80°	0.6	0.1
80°-90°	0.2	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°	529.8	86.4
0°-40°	602.6	98.3
0°-60°	611.2	99.7
0°-90°	613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	613.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	799	799	799	799	799	
5°	785	785	784	781	780	76
15°	783	782	776	773	773	217
25°	533	538	544	549	539	235
35°	83	88	99	91	86	68
45°	5	7	11	7	5	5
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
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°	799.4	799.4	799.4	799.4	799.4
1°	798.4	798.9	798.4	797.5	800.8
2°	796.6	796.1	794.7	794.2	795.6
3°	790.5	790.5	788.6	787.7	788.2
4°	785.9	785.9	783.1	782.1	782.6
5°	784.9	784.9	783.5	781.2	779.8
6°	788.6	789.6	786.3	784.0	784.0
7°	794.2	794.7	792.4	789.1	788.2
8°	801.2	801.7	798.0	794.2	792.4
9°	808.2	807.3	802.2	798.4	797.0
10°	811.0	810.6	804.0	800.3	798.9
11°	812.4	810.1	802.6	799.4	798.9
12°	809.2	807.3	799.4	796.1	794.7
13°	803.6	800.8	794.2	791.0	789.1
14°	794.7	791.9	785.9	782.1	782.6
15°	783.1	781.7	776.1	772.8	772.8
17.5°	744.4	745.3	743.9	742.5	741.6
20°	690.8	694.5	697.8	695.9	692.6
22.5°	622.2	628.8	632.5	633.4	627.4
25°	532.8	537.9	543.9	549.1	538.8
27.5°	421.4	426.0	431.6	434.9	433.5
30°	305.3	305.8	305.3	311.4	309.0
32.5°	169.7	183.6	186.0	190.2	175.3
35°	83.4	87.6	98.8	90.9	86.2
37.5°	40.1	42.9	53.6	43.8	41.9
40°	22.4	24.2	30.3	25.2	22.4
42.5°	10.7	14.0	16.3	14.4	10.7
45°	4.7	7.0	10.7	7.0	4.7
47.5°	1.9	2.8	6.5	2.8	1.9
50°	1.9	1.4	3.3	1.4	1.4
52.5°	1.4	1.4	1.9	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	0.9	1.4	1.4	1.4	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.5	0.9	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
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)