

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: P1317249

Luminaire Tested: LDSQA3D05R559827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317249
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: LDSQA3D05R559827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

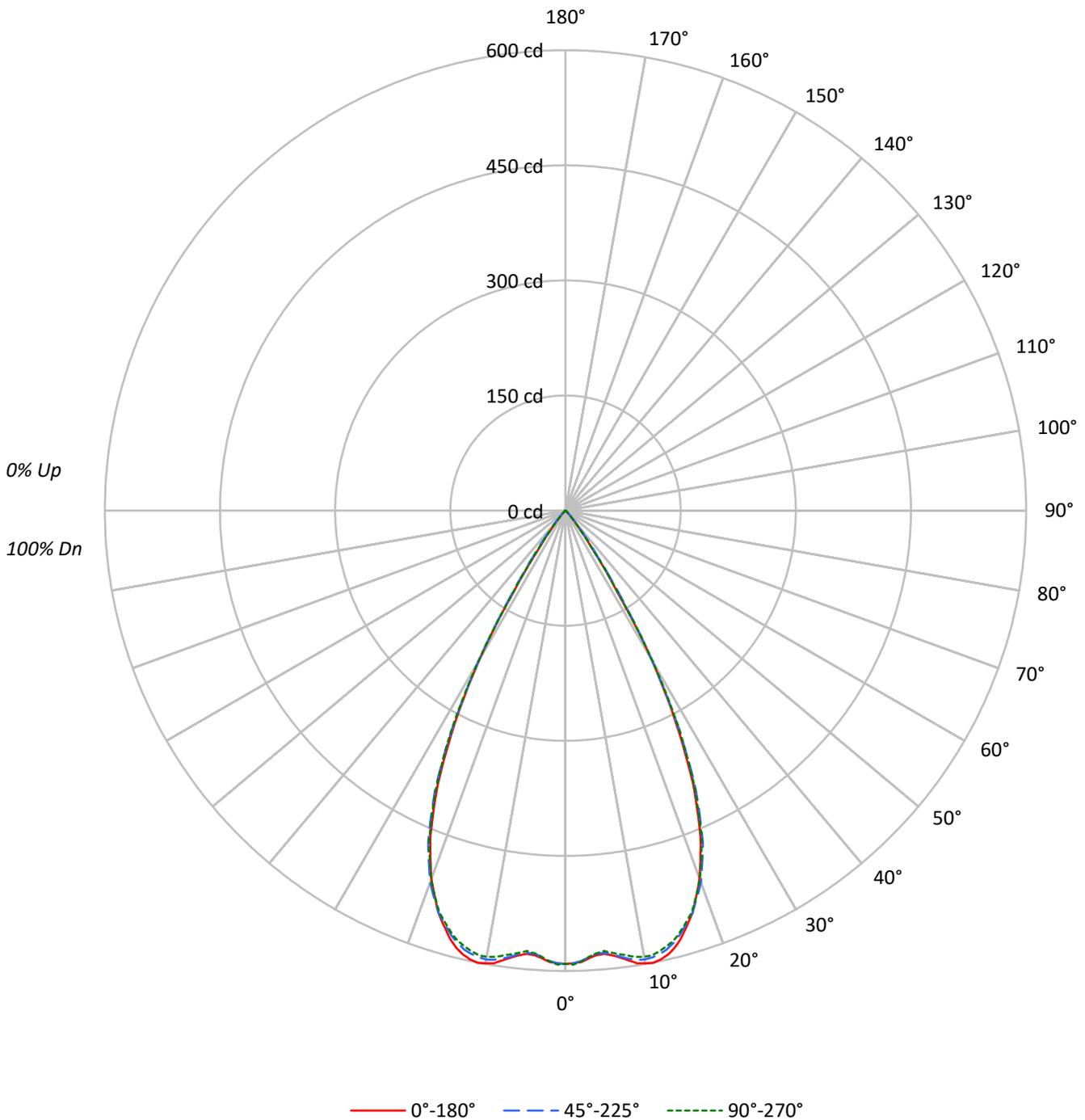
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 452.9 lumens
Efficiency: N/A
Efficacy: 62.9 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

TEST NUMBER: P1317249
CATALOG NUMBER: LDSQA3D05R559827DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1317249

CATALOG NUMBER: LDSQA3D05R559827DE010 3LSQCDR1MW

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	100	100	100	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79	79	79	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75	75	75	75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71	71	71	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67	67	67	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63	63	63	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60	60	60	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57	57	57	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	101732	101732	101732
5°	100271	100098	99631
10°	104805	103913	103249
15°	103181	102254	101826
20°	93562	94497	93800
25°	74813	76391	75669
30°	44864	44864	45421
35°	12972	15348	13393
40°	3710	5036	3710
45°	828	1924	828
50°	375	643	268
55°	300	300	300
60°	344	344	344
65°	285	285	285
70°	352	352	352
75°	200	200	200
80°	298	298	298
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1924 cd/sqm



TEST NUMBER: P1317249

CATALOG NUMBER: LDSQA3D05R559827DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	12.4
10°-20°	159.6	35.2
20°-30°	175.9	38.8
30°-40°	53.8	11.9
40°-50°	5.3	1.2
50°-60°	1.0	0.2
60°-70°	0.8	0.2
70°-80°	0.4	0.1
80°-90°	0.1	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°	391.5	86.4
0°-40°	445.3	98.3
0°-60°	451.6	99.7
0°-90°	452.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	452.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	591	591	591	591	591	
5°	580	580	579	577	576	56
15°	579	578	574	571	571	160
25°	394	398	402	406	398	173
35°	62	65	73	67	64	51
45°	3	5	8	5	3	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1317249

CATALOG NUMBER: LDSQA3D05R559827DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	590.7	590.7	590.7	590.7	590.7
1°	590.0	590.4	590.0	589.3	591.8
2°	588.7	588.3	587.3	586.9	588.0
3°	584.2	584.2	582.8	582.1	582.5
4°	580.7	580.7	578.7	578.0	578.3
5°	580.0	580.0	579.0	577.3	576.3
6°	582.8	583.5	581.1	579.4	579.4
7°	586.9	587.3	585.6	583.1	582.5
8°	592.1	592.4	589.7	586.9	585.6
9°	597.3	596.6	592.8	590.0	589.0
10°	599.3	599.0	594.2	591.4	590.4
11°	600.4	598.6	593.1	590.7	590.4
12°	598.0	596.6	590.7	588.3	587.3
13°	593.8	591.8	586.9	584.5	583.1
14°	587.3	585.2	580.7	578.0	578.3
15°	578.7	577.6	573.5	571.1	571.1
17.5°	550.1	550.8	549.7	548.7	548.0
20°	510.5	513.2	515.6	514.3	511.8
22.5°	459.8	464.7	467.4	468.1	463.6
25°	393.7	397.5	402.0	405.8	398.2
27.5°	311.4	314.8	319.0	321.4	320.3
30°	225.6	226.0	225.6	230.1	228.4
32.5°	125.4	135.7	137.4	140.5	129.5
35°	61.7	64.8	73.0	67.2	63.7
37.5°	29.6	31.7	39.6	32.4	31.0
40°	16.5	17.9	22.4	18.6	16.5
42.5°	7.9	10.3	12.1	10.7	7.9
45°	3.4	5.2	7.9	5.2	3.4
47.5°	1.4	2.1	4.8	2.1	1.4
50°	1.4	1.0	2.4	1.0	1.0
52.5°	1.0	1.0	1.4	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	0.7	1.0	1.0	1.0	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.3	0.7	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1317249

CATALOG NUMBER: LDSQA3D05R559827DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)