

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: P1316329

Luminaire Tested: LDSQA3D05R559740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316329
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: LDSQA3D05R559740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

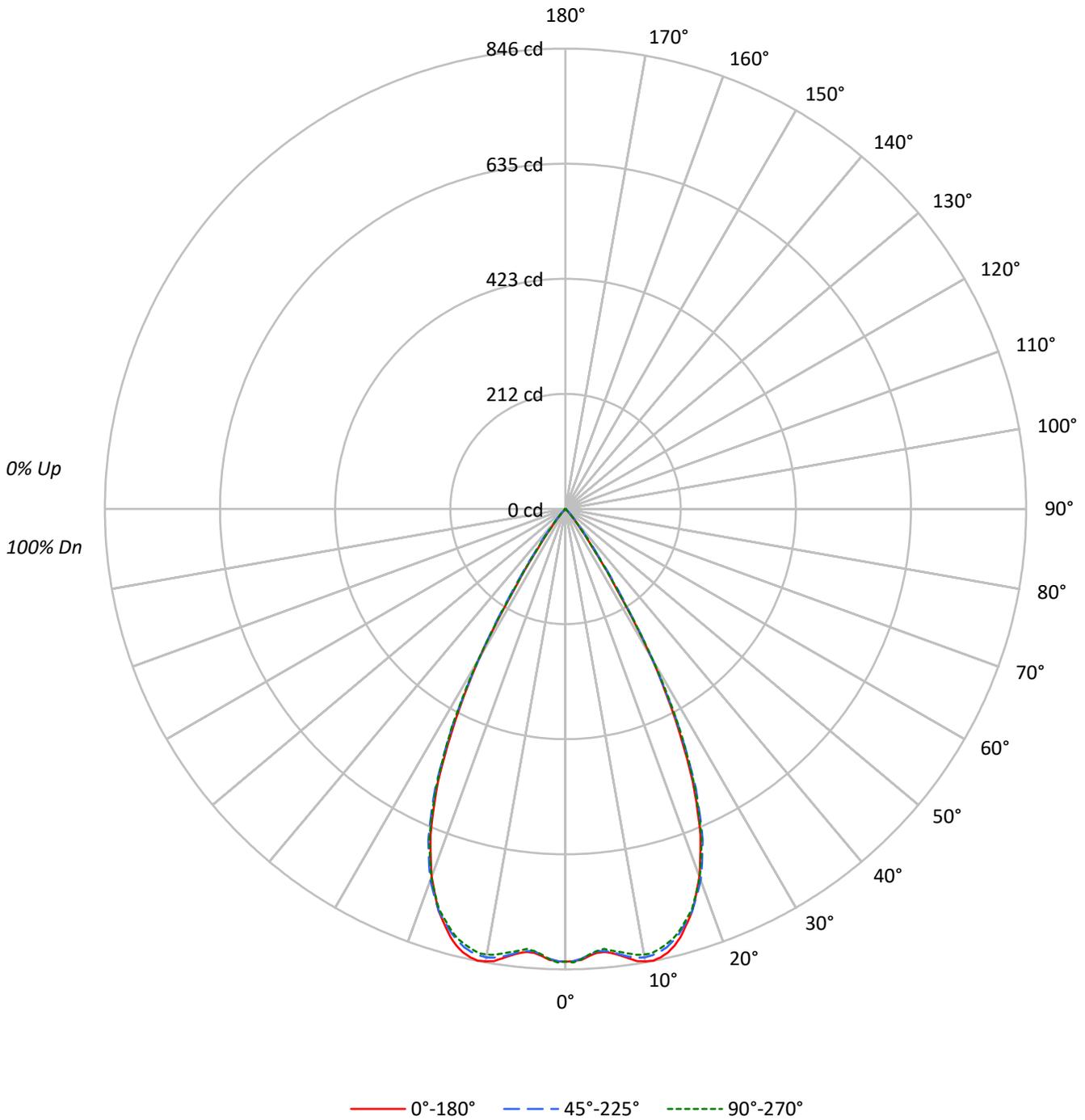
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 638.1 lumens
Efficiency: N/A
Efficacy: 88.6 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: P1316329
CATALOG NUMBER: LDSQA3D05R559740DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1316329

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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	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	85	85	85	85	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°	143289	143289	143289
5°	141226	140984	140310
10°	147616	146339	145412
15°	145313	144011	143405
20°	131757	133095	132123
25°	105370	107574	106567
30°	63180	63180	63955
35°	18249	21613	18859
40°	5238	7082	5238
45°	1193	2728	1193
50°	509	911	402
55°	450	450	450
60°	517	517	517
65°	408	408	408
70°	504	504	504
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2728 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	12.4
10°-20°	224.8	35.2
20°-30°	247.7	38.8
30°-40°	75.8	11.9
40°-50°	7.5	1.2
50°-60°	1.4	0.2
60°-70°	1.1	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°	551.4	86.4
0°-40°	627.2	98.3
0°-60°	636.1	99.7
0°-90°	638.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	638.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	832	832	832	832	832	
5°	817	817	816	813	812	79
15°	815	814	808	804	804	226
25°	554	560	566	572	561	244
35°	87	91	103	95	90	71
45°	5	7	11	7	5	6
55°	2	2	2	2	2	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°	832.0	832.0	832.0	832.0	832.0
1°	831.0	831.5	831.0	830.0	833.4
2°	829.1	828.6	827.1	826.6	828.1
3°	822.8	822.8	820.8	819.8	820.3
4°	817.9	817.9	815.0	814.0	814.5
5°	816.9	816.9	815.5	813.0	811.6
6°	820.8	821.8	818.4	816.0	816.0
7°	826.6	827.1	824.7	821.3	820.3
8°	833.9	834.4	830.5	826.6	824.7
9°	841.2	840.2	834.9	831.0	829.5
10°	844.1	843.6	836.8	832.9	831.5
11°	845.6	843.1	835.4	832.0	831.5
12°	842.2	840.2	832.0	828.6	827.1
13°	836.3	833.4	826.6	823.2	821.3
14°	827.1	824.2	817.9	814.0	814.5
15°	815.0	813.5	807.7	804.3	804.3
17.5°	774.7	775.7	774.2	772.8	771.8
20°	718.9	722.8	726.2	724.3	720.9
22.5°	647.6	654.4	658.3	659.3	653.0
25°	554.5	559.8	566.1	571.5	560.8
27.5°	438.5	443.4	449.2	452.6	451.2
30°	317.7	318.2	317.7	324.1	321.6
32.5°	176.6	191.1	193.6	197.9	182.4
35°	86.8	91.2	102.8	94.6	89.7
37.5°	41.7	44.6	55.8	45.6	43.7
40°	23.3	25.2	31.5	26.2	23.3
42.5°	11.2	14.6	17.0	15.0	11.2
45°	4.9	7.3	11.2	7.3	4.9
47.5°	1.9	2.9	6.8	2.9	1.9
50°	1.9	1.5	3.4	1.5	1.5
52.5°	1.5	1.5	1.9	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.0	1.5	1.5	1.5	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.5	1.0	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



TEST NUMBER: P1316329
CATALOG NUMBER: LDSQA3D05R559740DE010 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)