

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: P1314217

Luminaire Tested: LDSQA3D02R559730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314217
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: LDSQA3D02R559730DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

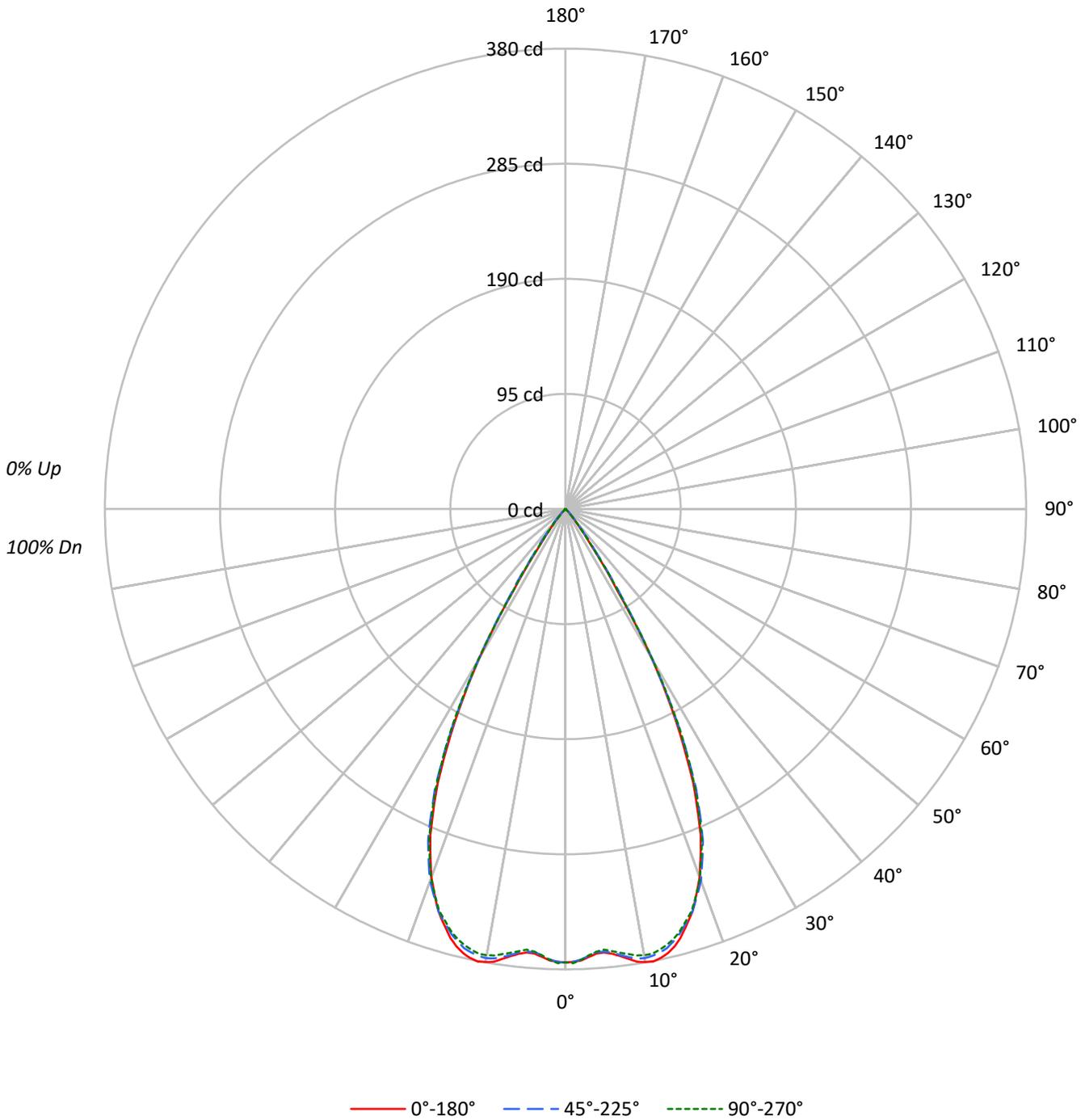
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 287.0 lumens
Efficiency: N/A
Efficacy: 79.7 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): 3.6
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				
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°	64463	64463	64463
5°	63534	63413	63119
10°	66402	65825	65405
15°	65364	64776	64508
20°	59271	59876	59436
25°	47393	48400	47944
30°	28418	28418	28776
35°	8221	9734	8494
40°	2361	3192	2361
45°	536	1218	536
50°	241	402	188
55°	210	210	210
60°	241	241	241
65°	163	163	163
70°	201	201	201
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1218 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	12.4
10°-20°	101.1	35.2
20°-30°	111.4	38.8
30°-40°	34.1	11.9
40°-50°	3.4	1.2
50°-60°	0.7	0.2
60°-70°	0.5	0.2
70°-80°	0.3	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°	248.1	86.4
0°-40°	282.2	98.3
0°-60°	286.2	99.7
0°-90°	287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	287.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	374	374	374	374	374	
5°	368	368	367	366	365	36
15°	367	366	363	362	362	102
25°	249	252	255	257	252	110
35°	39	41	46	43	40	32
45°	2	3	5	3	2	3
55°	1	1	1	1	1	1
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°	374.3	374.3	374.3	374.3	374.3
1°	373.8	374.0	373.8	373.4	374.9
2°	372.9	372.7	372.1	371.9	372.5
3°	370.1	370.1	369.2	368.8	369.0
4°	367.9	367.9	366.6	366.2	366.4
5°	367.5	367.5	366.8	365.7	365.1
6°	369.2	369.7	368.1	367.1	367.1
7°	371.9	372.1	371.0	369.5	369.0
8°	375.1	375.3	373.6	371.9	371.0
9°	378.4	378.0	375.6	373.8	373.2
10°	379.7	379.5	376.4	374.7	374.0
11°	380.4	379.3	375.8	374.3	374.0
12°	378.8	378.0	374.3	372.7	372.1
13°	376.2	374.9	371.9	370.3	369.5
14°	372.1	370.8	367.9	366.2	366.4
15°	366.6	366.0	363.3	361.8	361.8
17.5°	348.5	348.9	348.3	347.6	347.2
20°	323.4	325.2	326.7	325.8	324.3
22.5°	291.3	294.4	296.1	296.6	293.7
25°	249.4	251.8	254.7	257.1	252.3
27.5°	197.3	199.5	202.1	203.6	202.9
30°	142.9	143.2	142.9	145.8	144.7
32.5°	79.4	86.0	87.1	89.0	82.1
35°	39.1	41.0	46.3	42.6	40.4
37.5°	18.8	20.1	25.1	20.5	19.6
40°	10.5	11.3	14.2	11.8	10.5
42.5°	5.0	6.5	7.6	6.8	5.0
45°	2.2	3.3	5.0	3.3	2.2
47.5°	0.9	1.3	3.1	1.3	0.9
50°	0.9	0.7	1.5	0.7	0.7
52.5°	0.7	0.7	0.9	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.4	0.7	0.7	0.7	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.2	0.4	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
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)