

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: P1311399

Luminaire Tested: LDSQA3D09R709040DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709040DE010 3LSQCLDWWR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLDWWR1MMS T
Light Source: -
Ballast/Driver: -

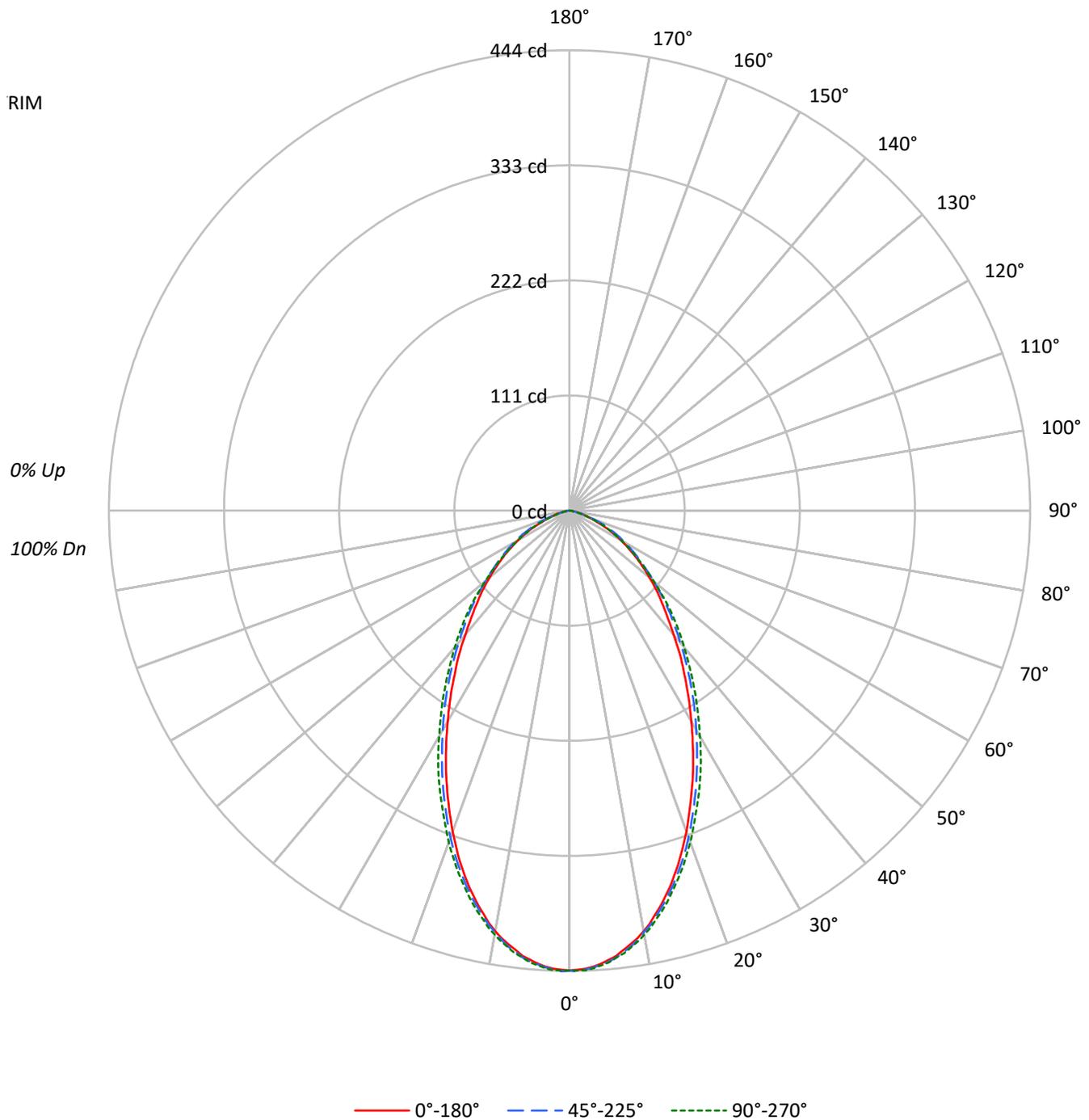
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 635.0 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89	89	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79	79	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62	62	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55	55	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50	50	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45	45	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38	38	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76398	76398	76398
5°	75186	75462	75601
10°	72050	72190	72610
15°	66862	67432	67985
20°	60353	61507	62387
25°	53454	54937	56286
30°	46694	48563	49975
35°	40577	42743	44067
40°	35072	37365	38624
45°	30713	32807	33782
50°	27007	28293	28293
55°	23420	24591	23901
60°	19806	21183	20081
65°	15404	17645	16056
70°	11128	13092	11128
75°	8384	7852	6321
80°	5455	3868	1587
85°	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 33782 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	6.4
10°-20°	105.6	16.6
20°-30°	132.5	20.9
30°-40°	126.6	19.9
40°-50°	102.9	16.2
50°-60°	72.0	11.3
60°-70°	40.7	6.4
70°-80°	12.9	2.0
80°-90°	1.0	0.2
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°	279.0	43.9
0°-40°	405.5	63.9
0°-60°	580.5	91.4
0°-90°	635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	635.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	435	436	436	436	437	41
15°	375	376	378	379	381	105
25°	281	284	289	294	296	129
35°	193	196	203	207	210	121
45°	126	129	135	137	139	98
55°	78	79	82	80	80	70
65°	38	40	43	41	39	38
75°	13	13	12	10	10	14
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	443.6	443.6	443.6	443.6	443.6
1°	442.8	443.6	444.4	442.8	443.6
2°	442.0	442.8	442.8	442.0	443.6
3°	440.4	441.2	441.2	440.4	442.0
4°	438.0	438.8	438.8	438.0	439.6
5°	434.9	435.7	436.5	435.7	437.3
6°	431.7	432.5	433.3	432.5	433.3
7°	427.0	428.6	428.6	428.6	430.2
8°	422.3	423.9	424.7	423.9	425.4
9°	417.6	418.4	419.1	419.1	420.7
10°	412.0	412.8	412.8	413.6	415.2
11°	405.7	405.7	407.3	407.3	409.7
12°	397.9	398.7	400.2	401.0	402.6
13°	390.8	391.6	393.1	393.9	396.3
14°	382.9	384.5	386.0	386.8	389.2
15°	375.0	375.8	378.2	379.0	381.3
17.5°	353.0	353.7	357.7	359.3	361.6
20°	329.3	331.7	335.6	338.0	340.4
22.5°	304.9	307.3	312.0	315.9	317.5
25°	281.3	284.4	289.1	293.9	296.2
27.5°	257.6	260.8	266.3	271.0	274.2
30°	234.8	237.9	244.2	248.2	251.3
32.5°	213.5	216.7	223.8	227.7	230.1
35°	193.0	196.2	203.3	207.2	209.6
37.5°	174.9	178.1	184.4	188.3	189.9
40°	156.0	159.9	166.2	170.2	171.8
42.5°	140.2	143.4	149.7	152.8	155.2
45°	126.1	129.2	134.7	137.1	138.7
47.5°	113.5	115.0	119.8	120.5	122.1
50°	100.8	102.4	105.6	106.4	105.6
52.5°	89.0	90.6	93.0	92.2	92.2
55°	78.0	78.8	81.9	80.4	79.6
57.5°	67.0	68.5	71.7	69.3	68.5
60°	57.5	59.1	61.5	59.9	58.3
62.5°	48.1	48.8	52.8	49.6	48.1
65°	37.8	40.2	43.3	41.0	39.4
67.5°	28.4	32.3	35.5	32.3	30.7
70°	22.1	23.6	26.0	24.4	22.1
72.5°	16.5	17.3	18.1	16.5	15.0
75°	12.6	12.6	11.8	10.2	9.5
77.5°	8.7	8.7	7.1	4.7	4.7
80°	5.5	5.5	3.9	1.6	1.6
82.5°	2.4	2.4	1.6	0.8	0.8
85°	0.8	0.8	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)