

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: P1319171

Luminaire Tested: LDSQA3D09R709835DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319171
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: LDSQA3D09R709835DE010 3LSQCLDWWR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLDWWR1MMS T
Light Source: -
Ballast/Driver: -

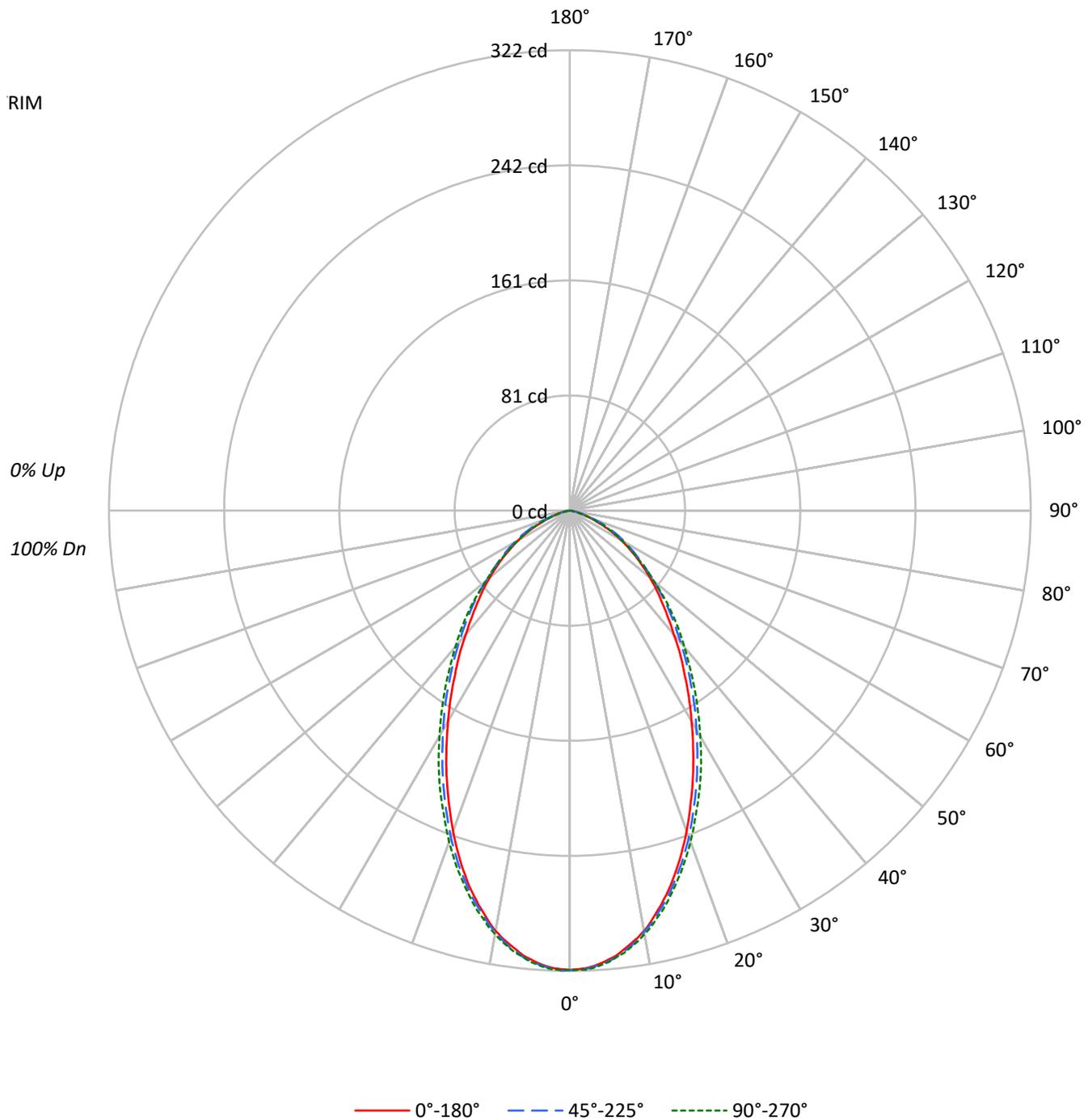
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 460.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
Input Voltage (V): NR
Input Current (Ain): 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°	55335	55335	55335
5°	54457	54665	54769
10°	52202	52306	52604
15°	48444	48854	49246
20°	43730	44554	45196
25°	38727	39811	40780
30°	33827	35179	36213
35°	29392	30948	31915
40°	25405	27068	27968
45°	22237	23771	24453
50°	19586	20497	20497
55°	16965	17836	17295
60°	14363	15328	14536
65°	11166	12796	11614
70°	8057	9467	8057
75°	6055	5723	4525
80°	3967	2876	1091
85°	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 24453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	6.4
10°-20°	76.5	16.6
20°-30°	96.0	20.9
30°-40°	91.7	19.9
40°-50°	74.5	16.2
50°-60°	52.2	11.3
60°-70°	29.5	6.4
70°-80°	9.3	2.0
80°-90°	0.7	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°	202.1	43.9
0°-40°	293.8	63.9
0°-60°	420.5	91.4
0°-90°	460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	321	321	321	321	321	
5°	315	316	316	316	317	30
15°	272	272	274	274	276	76
25°	204	206	210	213	215	93
35°	140	142	147	150	152	88
45°	91	94	98	99	100	71
55°	56	57	59	58	58	51
65°	27	29	31	30	28	28
75°	9	9	9	7	7	10
85°	1	1	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	321.3	321.3	321.3	321.3	321.3
1°	320.8	321.3	321.9	320.8	321.3
2°	320.2	320.8	320.8	320.2	321.3
3°	319.0	319.6	319.6	319.0	320.2
4°	317.3	317.9	317.9	317.3	318.5
5°	315.0	315.6	316.2	315.6	316.8
6°	312.8	313.3	313.9	313.3	313.9
7°	309.3	310.5	310.5	310.5	311.6
8°	305.9	307.1	307.6	307.1	308.2
9°	302.5	303.1	303.6	303.6	304.8
10°	298.5	299.1	299.1	299.6	300.8
11°	293.9	293.9	295.1	295.1	296.8
12°	288.2	288.8	289.9	290.5	291.6
13°	283.1	283.7	284.8	285.4	287.1
14°	277.4	278.5	279.7	280.2	281.9
15°	271.7	272.2	274.0	274.5	276.2
17.5°	255.7	256.3	259.1	260.3	262.0
20°	238.6	240.3	243.1	244.8	246.6
22.5°	220.9	222.6	226.0	228.9	230.0
25°	203.8	206.0	209.5	212.9	214.6
27.5°	186.6	188.9	192.9	196.3	198.6
30°	170.1	172.4	176.9	179.8	182.1
32.5°	154.7	157.0	162.1	164.9	166.7
35°	139.8	142.1	147.2	150.1	151.8
37.5°	126.7	129.0	133.6	136.4	137.5
40°	113.0	115.9	120.4	123.3	124.4
42.5°	101.6	103.9	108.4	110.7	112.4
45°	91.3	93.6	97.6	99.3	100.4
47.5°	82.2	83.3	86.8	87.3	88.5
50°	73.1	74.2	76.5	77.0	76.5
52.5°	64.5	65.6	67.3	66.8	66.8
55°	56.5	57.1	59.4	58.2	57.6
57.5°	48.5	49.7	51.9	50.2	49.7
60°	41.7	42.8	44.5	43.4	42.2
62.5°	34.8	35.4	38.2	36.0	34.8
65°	27.4	29.1	31.4	29.7	28.5
67.5°	20.5	23.4	25.7	23.4	22.3
70°	16.0	17.1	18.8	17.7	16.0
72.5°	12.0	12.6	13.1	12.0	10.8
75°	9.1	9.1	8.6	7.4	6.8
77.5°	6.3	6.3	5.1	3.4	3.4
80°	4.0	4.0	2.9	1.1	1.1
82.5°	1.7	1.7	1.1	0.6	0.6
85°	0.6	0.6	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)