

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: P1317419

Luminaire Tested: LDSQA3D09R709827DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317419
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: LDSQA3D09R709827DE010 3LSQCLDWWR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCLDWWR1MMS T
Light Source: -
Ballast/Driver: -

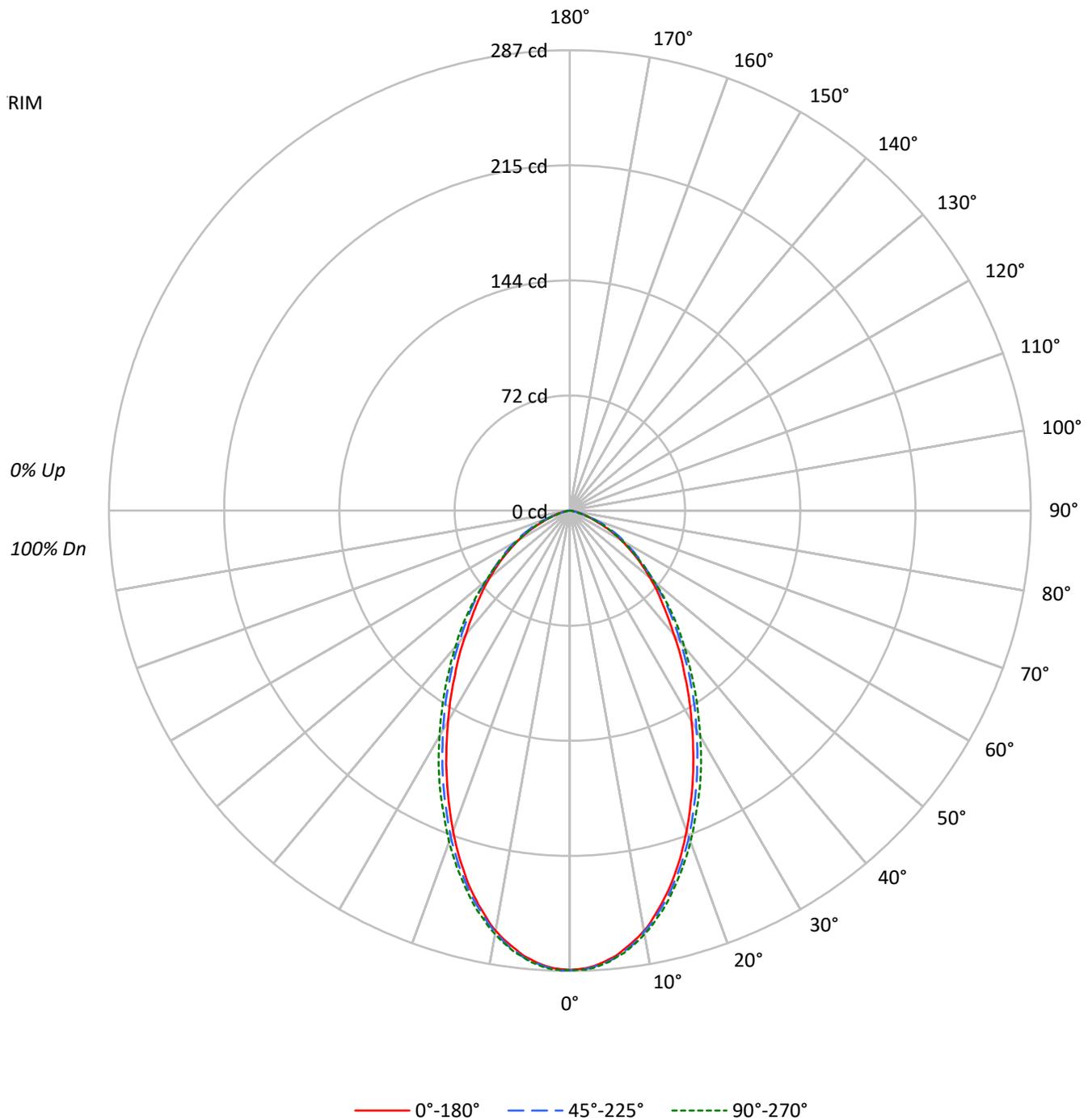
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 410.0 lumens
Efficiency: N/A
Efficacy: 37.3 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 (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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49325	49325	49325
5°	48545	48718	48804
10°	46518	46623	46885
15°	43166	43540	43897
20°	38964	39716	40284
25°	34509	35478	36352
30°	30148	31361	32276
35°	26197	27584	28446
40°	22639	24123	24933
45°	19826	21190	21799
50°	17442	18273	18273
55°	15133	15884	15433
60°	12779	13674	12951
65°	9943	11410	10351
70°	7150	8460	7150
75°	5390	5057	4059
80°	3570	2479	992
85°	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 21799 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.4	6.4
10°-20°	68.2	16.6
20°-30°	85.6	20.9
30°-40°	81.7	19.9
40°-50°	66.4	16.2
50°-60°	46.5	11.3
60°-70°	26.3	6.4
70°-80°	8.3	2.0
80°-90°	0.6	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°	180.1	43.9
0°-40°	261.8	63.9
0°-60°	374.8	91.4
0°-90°	410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	410.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	286	286	286	286	286	
5°	281	281	282	281	282	26
15°	242	243	244	245	246	68
25°	182	184	187	190	191	83
35°	125	127	131	134	135	78
45°	81	83	87	88	90	63
55°	50	51	53	52	51	45
65°	24	26	28	26	25	25
75°	8	8	8	7	6	9
85°	0	0	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°	286.4	286.4	286.4	286.4	286.4
1°	285.9	286.4	286.9	285.9	286.4
2°	285.4	285.9	285.9	285.4	286.4
3°	284.4	284.9	284.9	284.4	285.4
4°	282.8	283.3	283.3	282.8	283.9
5°	280.8	281.3	281.8	281.3	282.3
6°	278.8	279.3	279.8	279.3	279.8
7°	275.7	276.7	276.7	276.7	277.7
8°	272.7	273.7	274.2	273.7	274.7
9°	269.6	270.1	270.6	270.6	271.6
10°	266.0	266.6	266.6	267.1	268.1
11°	262.0	262.0	263.0	263.0	264.5
12°	256.9	257.4	258.4	258.9	259.9
13°	252.3	252.8	253.8	254.3	255.9
14°	247.2	248.2	249.3	249.8	251.3
15°	242.1	242.6	244.2	244.7	246.2
17.5°	227.9	228.4	230.9	232.0	233.5
20°	212.6	214.2	216.7	218.2	219.8
22.5°	196.9	198.4	201.4	204.0	205.0
25°	181.6	183.6	186.7	189.7	191.3
27.5°	166.3	168.4	171.9	175.0	177.0
30°	151.6	153.6	157.7	160.2	162.3
32.5°	137.9	139.9	144.5	147.0	148.5
35°	124.6	126.7	131.2	133.8	135.3
37.5°	112.9	115.0	119.0	121.6	122.6
40°	100.7	103.3	107.3	109.9	110.9
42.5°	90.5	92.6	96.7	98.7	100.2
45°	81.4	83.4	87.0	88.5	89.5
47.5°	73.3	74.3	77.3	77.8	78.8
50°	65.1	66.1	68.2	68.7	68.2
52.5°	57.5	58.5	60.0	59.5	59.5
55°	50.4	50.9	52.9	51.9	51.4
57.5°	43.2	44.3	46.3	44.8	44.3
60°	37.1	38.2	39.7	38.7	37.6
62.5°	31.0	31.5	34.1	32.0	31.0
65°	24.4	25.9	28.0	26.5	25.4
67.5°	18.3	20.9	22.9	20.9	19.8
70°	14.2	15.3	16.8	15.8	14.2
72.5°	10.7	11.2	11.7	10.7	9.7
75°	8.1	8.1	7.6	6.6	6.1
77.5°	5.6	5.6	4.6	3.1	3.1
80°	3.6	3.6	2.5	1.0	1.0
82.5°	1.5	1.5	1.0	0.5	0.5
85°	0.5	0.5	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)