

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: P1320048

Luminaire Tested: LDSQA3D09R709840DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709840DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

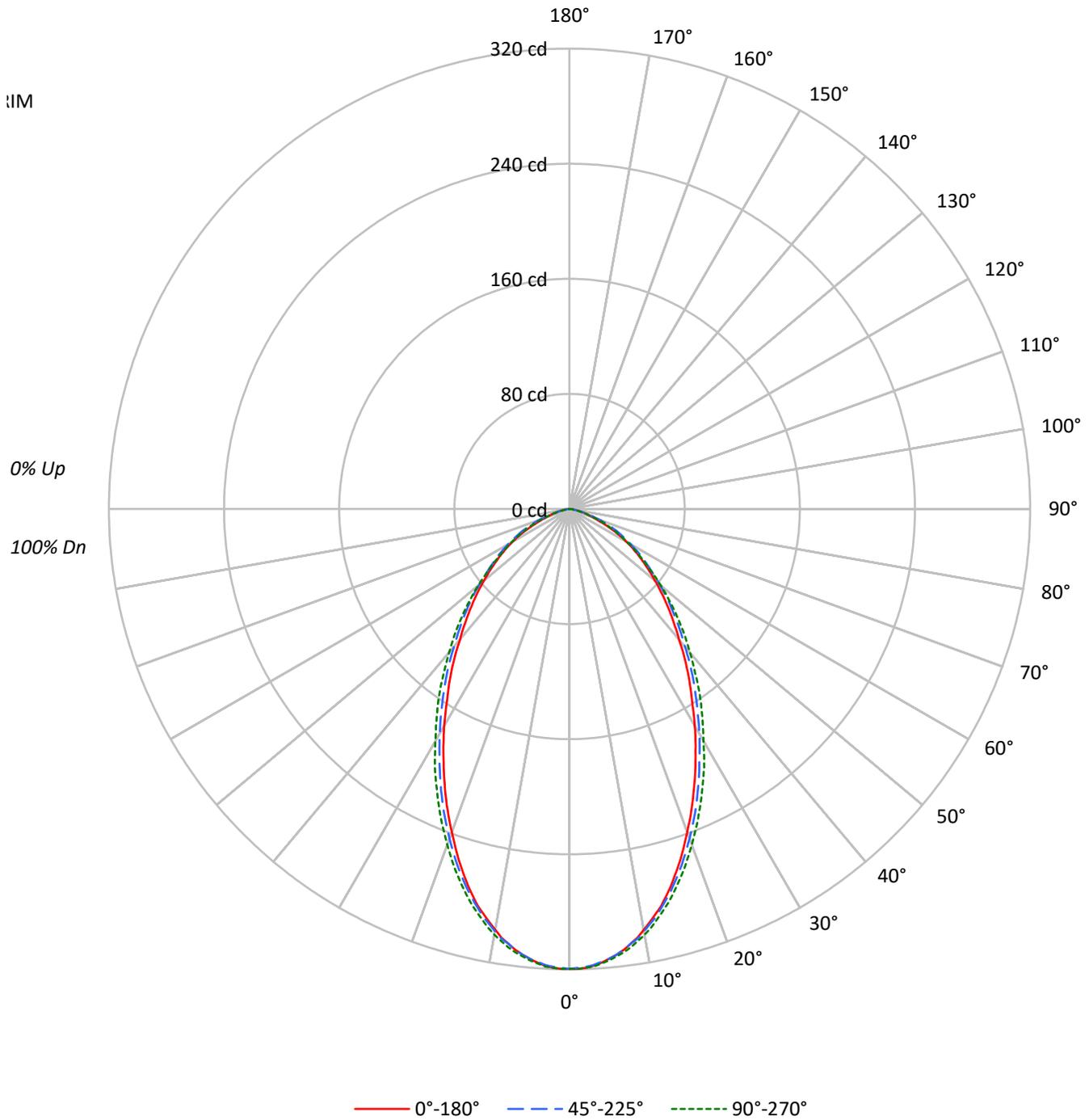
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 480.0 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55060	55060	55060
5°	54267	54267	54457
10°	51939	52149	52551
15°	48408	48818	49442
20°	43803	44664	45507
25°	39145	40248	41350
30°	34622	35875	37029
35°	30486	31831	33177
40°	26619	28035	29227
45°	23601	24867	25720
50°	20818	21917	22238
55°	18286	19337	18826
60°	15776	16981	16189
65°	12511	14670	13244
70°	9064	11380	9920
75°	6920	7320	6188
80°	4562	4562	3471
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 25720 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	6.1
10°-20°	76.5	15.9
20°-30°	97.2	20.3
30°-40°	94.6	19.7
40°-50°	78.6	16.4
50°-60°	56.7	11.8
60°-70°	33.4	7.0
70°-80°	11.8	2.5
80°-90°	1.7	0.4
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°	203.2	42.3
0°-40°	297.7	62.0
0°-60°	433.1	90.2
0°-90°	480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	480.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	320	320	320	320	320	
5°	314	313	314	314	315	29
15°	272	272	274	276	277	76
25°	206	208	212	216	218	95
35°	145	147	151	156	158	91
45°	97	99	102	104	106	75
55°	61	63	64	64	63	55
65°	31	33	36	34	32	31
75°	10	11	11	10	9	11
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	319.7	319.7	319.7	319.7	319.7
1°	319.7	319.1	319.1	319.1	319.7
2°	319.1	318.5	318.5	318.5	319.1
3°	317.9	317.4	317.4	317.4	318.5
4°	316.2	315.0	315.6	315.6	316.8
5°	313.9	313.3	313.9	313.9	315.0
6°	311.6	311.0	311.6	311.6	312.7
7°	308.7	308.1	308.7	309.2	310.4
8°	305.2	304.6	305.2	305.8	307.5
9°	301.7	301.1	302.3	302.8	304.0
10°	297.0	297.0	298.2	298.8	300.5
11°	292.4	292.4	293.6	294.7	296.5
12°	287.8	287.8	289.5	290.7	291.8
13°	283.1	282.5	284.3	285.4	287.2
14°	277.3	276.7	279.1	280.8	282.5
15°	271.5	271.5	273.8	275.6	277.3
17.5°	255.9	256.4	259.3	261.7	263.4
20°	239.0	240.8	243.7	246.6	248.3
22.5°	222.8	223.9	228.0	231.5	233.2
25°	206.0	208.3	211.8	215.8	217.6
27.5°	189.7	192.0	195.5	199.6	202.5
30°	174.1	175.8	180.4	184.5	186.2
32.5°	158.4	160.7	165.3	169.4	171.7
35°	145.0	146.8	151.4	155.5	157.8
37.5°	131.7	133.4	138.1	141.6	143.3
40°	118.4	121.3	124.7	128.2	130.0
42.5°	107.3	109.7	113.1	116.0	117.8
45°	96.9	98.6	102.1	104.4	105.6
47.5°	87.0	88.8	92.2	93.4	94.0
50°	77.7	79.5	81.8	82.4	83.0
52.5°	69.0	70.2	72.5	72.5	71.9
55°	60.9	62.7	64.4	63.8	62.7
57.5°	53.4	54.0	56.9	55.7	54.5
60°	45.8	47.0	49.3	48.2	47.0
62.5°	38.3	39.5	42.4	41.2	39.5
65°	30.7	33.1	36.0	34.2	32.5
67.5°	23.2	26.1	29.0	27.3	26.1
70°	18.0	20.3	22.6	20.9	19.7
72.5°	13.9	15.1	16.2	15.1	13.9
75°	10.4	11.0	11.0	9.9	9.3
77.5°	7.5	8.1	7.0	5.8	5.8
80°	4.6	5.2	4.6	3.5	3.5
82.5°	2.3	2.9	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.6	0.6	0.6	0.6	0.6



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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)