

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: P1319753

Luminaire Tested: LDSQA3D02R709840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

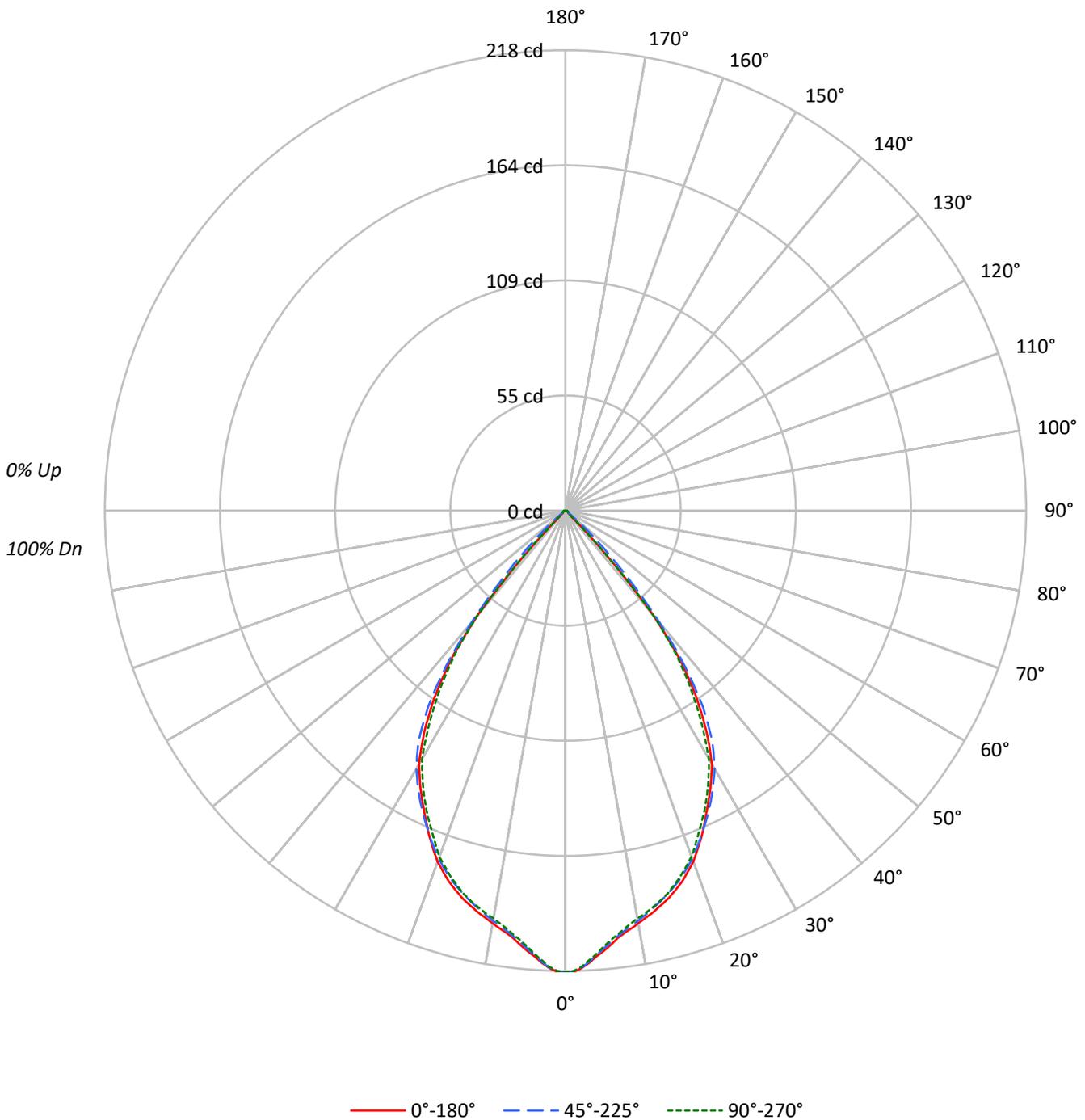
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 233.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37631	37631	37631
5°	36167	35976	35838
10°	34696	34504	34276
15°	33823	33467	33431
20°	32421	32165	31963
25°	30005	30233	29644
30°	27563	28060	27006
35°	22727	23800	21865
40°	14478	15580	14478
45°	1023	6722	1096
50°	455	1366	455
55°	510	510	510
60°	517	517	517
65°	448	530	448
70°	453	554	453
75°	532	532	532
80°	595	595	595
85°	395	790	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6722 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	8.4
10°-20°	52.8	22.7
20°-30°	72.6	31.1
30°-40°	66.5	28.5
40°-50°	17.6	7.6
50°-60°	1.6	0.7
60°-70°	1.3	0.5
70°-80°	0.9	0.4
80°-90°	0.3	0.1
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°	144.9	62.2
0°-40°	211.3	90.7
0°-60°	230.5	98.9
0°-90°	233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	233.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	218	218	218	218	218	
5°	209	208	208	208	207	20
15°	190	188	188	188	188	53
25°	158	158	159	157	156	73
35°	108	110	113	108	104	66
45°	4	14	28	14	4	13
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	218.5	218.5	218.5	218.5	218.5
1°	218.5	218.1	218.5	218.5	218.1
2°	216.8	216.4	216.6	216.4	216.2
3°	214.4	213.8	214.0	213.6	213.2
4°	211.5	210.9	210.9	210.8	210.4
5°	209.2	208.3	208.1	207.7	207.3
6°	206.6	205.6	205.5	204.9	204.5
7°	203.9	203.2	203.0	202.2	202.2
8°	201.9	200.9	200.9	200.0	200.0
9°	200.2	199.0	199.0	198.3	197.9
10°	198.4	197.3	197.3	196.4	196.0
11°	196.7	195.8	195.4	194.9	194.7
12°	195.2	193.9	193.5	193.3	193.0
13°	193.3	192.0	191.6	191.4	191.3
14°	191.6	189.9	189.7	189.4	189.5
15°	189.7	188.0	187.7	187.7	187.5
17.5°	183.9	182.7	182.2	181.8	181.4
20°	176.9	175.9	175.5	174.8	174.4
22.5°	167.8	167.6	167.4	166.4	164.9
25°	157.9	158.5	159.1	157.2	156.0
27.5°	148.5	150.0	150.5	148.6	146.2
30°	138.6	139.9	141.1	138.4	135.8
32.5°	124.4	127.6	129.3	126.3	120.2
35°	108.1	109.8	113.2	108.1	104.0
37.5°	89.2	90.1	92.8	89.4	86.5
40°	64.4	67.2	69.3	67.2	64.4
42.5°	29.0	40.5	45.8	42.8	30.3
45°	4.2	14.2	27.6	14.4	4.5
47.5°	1.7	2.3	14.4	2.1	1.7
50°	1.7	1.7	5.1	1.7	1.7
52.5°	1.7	1.7	1.9	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.5	1.5	1.7	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.3	1.5	1.5	1.5	1.3
65°	1.1	1.3	1.3	1.3	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.9	1.1	1.1	1.1	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.6	0.8	0.8	0.8	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.4	0.4	0.4	0.2
87.5°	0.2	0.2	0.2	0.2	0.2



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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)