

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: P1326525

Luminaire Tested: LDSQA3D09R35W2N902750DE010 3LSQPHRL1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R35W2N902750DE010 3LSQPHRL1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

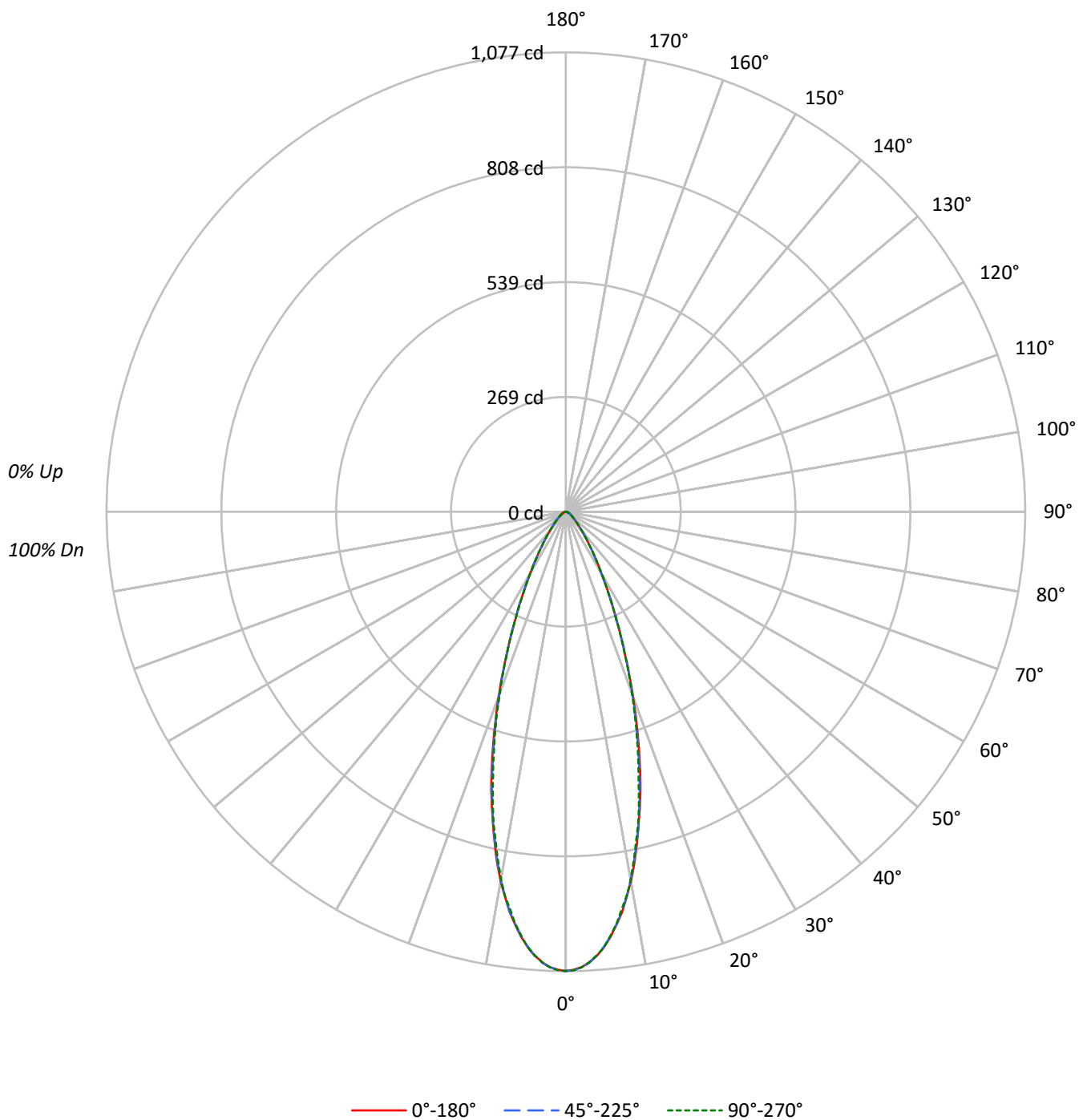
Lumens per Lamp: N/A
Luminaire Lumens: 531.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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
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		
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82		
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77		
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73		
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69		
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65		
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62		
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59		
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	185432	185432	185432
5°	177185	176891	177185
10°	153824	153317	153107
15°	120529	119584	117695
20°	84325	83574	83024
25°	53550	53892	53550
30°	32992	33230	32992
35°	20415	20541	20541
40°	12972	13085	13085
45°	8744	8890	9036
50°	6296	6457	6457
55°	4954	4954	4954
60°	4064	4064	4064
65°	3586	3586	3586
70°	3273	3273	3273
75°	2728	2728	2728
80°	2380	2380	2380
85°	1186	1186	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 9036 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	17.5
10°-20°	183.2	34.5
20°-30°	132.2	24.9
30°-40°	63.7	12.0
40°-50°	29.4	5.5
50°-60°	15.2	2.9
60°-70°	8.8	1.7
70°-80°	4.4	0.8
80°-90°	1.1	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°	408.4	76.9
0°-40°	472.2	88.9
0°-60°	516.7	97.3
0°-90°	531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1077	1077	1077	1077	1077	
5°	1025	1027	1023	1024	1025	93
15°	676	675	671	668	660	184
25°	282	282	284	284	282	132
35°	97	97	98	98	98	63
45°	36	36	36	37	37	29
55°	16	16	16	16	16	15
65°	9	9	9	9	9	9
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1076.7	1076.7	1076.7	1076.7	1076.7
1°	1073.8	1075.5	1074.9	1075.5	1074.9
2°	1068.5	1069.6	1068.5	1069.1	1069.1
3°	1057.3	1058.5	1058.5	1057.9	1057.3
4°	1043.8	1046.7	1043.8	1044.3	1042.6
5°	1024.9	1027.3	1023.2	1023.8	1024.9
6°	1002.0	1002.6	1001.4	1000.8	999.6
7°	975.5	977.9	973.7	974.3	973.2
8°	947.3	946.7	946.7	944.3	940.8
9°	913.1	915.5	912.0	910.8	911.4
10°	879.6	879.6	876.7	873.7	875.5
11°	841.4	840.2	838.4	834.3	833.1
12°	799.6	801.9	796.6	794.9	790.8
13°	756.6	760.2	757.8	751.3	751.9
14°	716.6	714.3	712.5	711.3	707.2
15°	676.0	674.9	670.7	667.8	660.1
17.5°	564.8	566.0	558.4	557.2	554.2
20°	460.1	456.6	456.0	456.6	453.0
22.5°	363.0	366.6	362.4	363.0	360.7
25°	281.8	282.4	283.6	283.6	281.8
27.5°	218.9	218.9	217.7	218.9	217.1
30°	165.9	165.9	167.1	168.3	165.9
32.5°	128.3	128.3	128.3	128.9	129.4
35°	97.1	97.1	97.7	97.7	97.7
37.5°	74.7	75.3	75.9	75.9	75.9
40°	57.7	58.2	58.2	58.8	58.2
42.5°	45.9	45.9	45.9	46.5	46.5
45°	35.9	36.5	36.5	37.1	37.1
47.5°	29.4	29.4	29.4	30.0	30.0
50°	23.5	24.1	24.1	24.1	24.1
52.5°	19.4	19.4	20.0	20.0	20.0
55°	16.5	16.5	16.5	16.5	16.5
57.5°	13.5	14.1	14.1	14.1	14.1
60°	11.8	11.8	11.8	11.8	11.8
62.5°	10.0	10.0	10.0	10.0	10.0
65°	8.8	8.8	8.8	8.8	8.8
67.5°	7.1	7.6	7.6	7.6	7.6
70°	6.5	6.5	6.5	6.5	6.5
72.5°	4.7	5.3	5.3	5.3	5.3
75°	4.1	4.1	4.1	4.1	4.1
77.5°	3.5	2.9	2.9	2.9	3.5
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	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)