

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: P1326621

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQPHRL1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326621
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: LDSQA3D09R35W2N902765DE010 3LSQPHRL1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

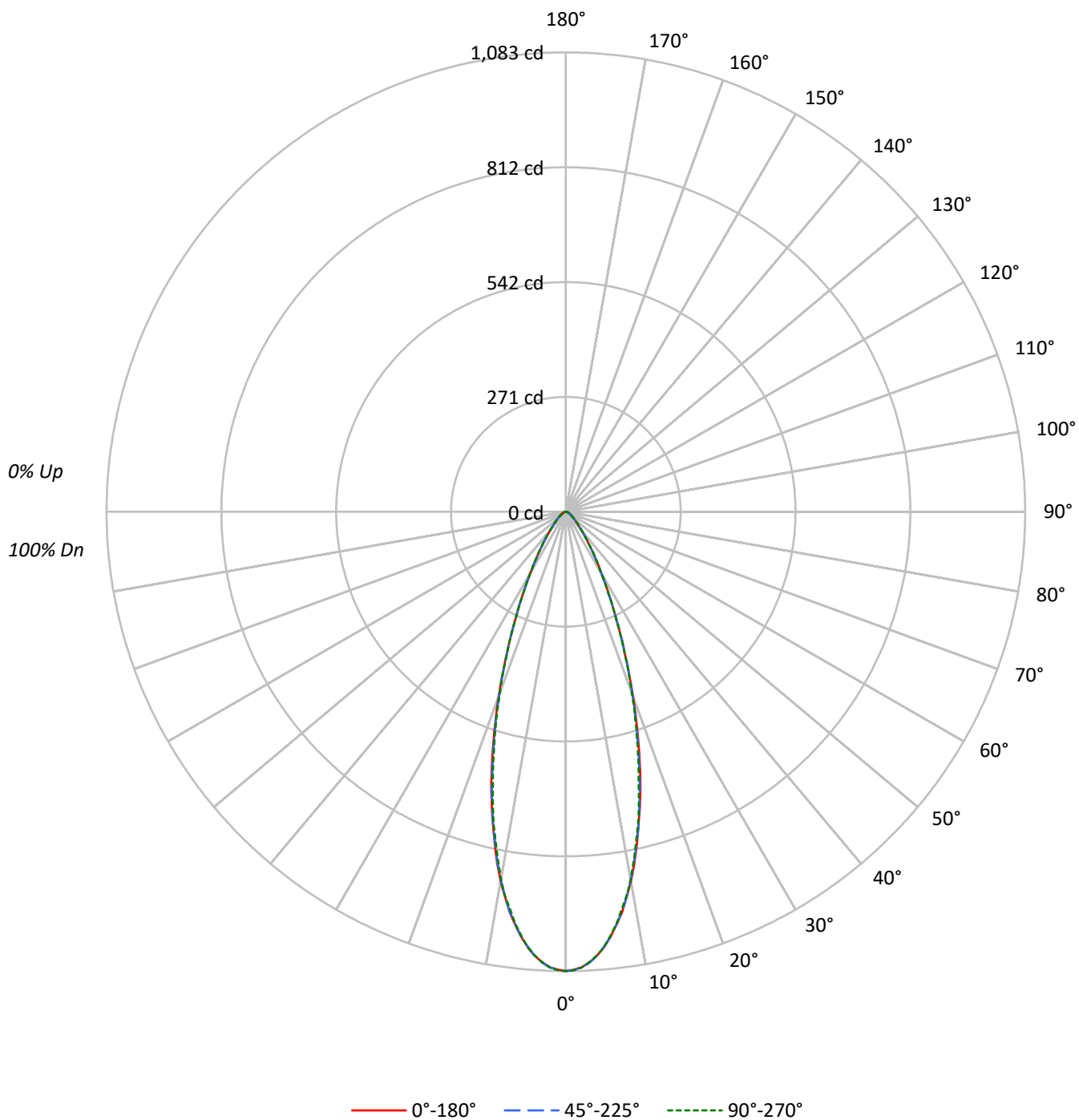
Lumens per Lamp: N/A
Luminaire Lumens: 534.0 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	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°	186483	186483	186483
5°	178188	177877	178188
10°	154698	154174	153964
15°	121207	120262	118372
20°	84802	84050	83500
25°	53854	54196	53854
30°	33191	33409	33191
35°	20520	20646	20646
40°	13040	13174	13174
45°	8793	8939	9085
50°	6350	6511	6511
55°	4984	4984	4984
60°	4064	4064	4064
65°	3627	3627	3627
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: 9085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	17.5
10°-20°	184.2	34.5
20°-30°	132.9	24.9
30°-40°	64.1	12.0
40°-50°	29.6	5.5
50°-60°	15.3	2.9
60°-70°	8.8	1.7
70°-80°	4.5	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°	410.7	76.9
0°-40°	474.8	88.9
0°-60°	519.7	97.3
0°-90°	534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	534.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1083	1083	1083	1083	1083	
5°	1031	1033	1029	1030	1031	94
15°	680	679	674	672	664	185
25°	283	284	285	285	283	133
35°	98	98	98	98	98	64
45°	36	37	37	37	37	29
55°	17	17	17	17	17	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°	1082.8	1082.8	1082.8	1082.8	1082.8
1°	1079.8	1081.6	1081.0	1081.6	1081.0
2°	1074.5	1075.7	1074.5	1075.1	1075.1
3°	1063.3	1064.4	1064.4	1063.9	1063.3
4°	1049.7	1052.6	1049.7	1050.2	1048.5
5°	1030.7	1033.1	1028.9	1029.5	1030.7
6°	1007.6	1008.2	1007.1	1006.5	1005.3
7°	981.0	983.4	979.2	979.8	978.7
8°	952.6	952.0	952.0	949.7	946.1
9°	918.3	920.7	917.1	915.9	916.5
10°	884.6	884.6	881.6	878.7	880.4
11°	846.1	844.9	843.2	839.0	837.8
12°	804.1	806.5	801.1	799.4	795.2
13°	760.9	764.5	762.1	755.6	756.2
14°	720.7	718.3	716.5	715.4	711.2
15°	679.8	678.7	674.5	671.6	663.9
17.5°	568.0	569.2	561.5	560.3	557.4
20°	462.7	459.1	458.6	459.1	455.6
22.5°	365.1	368.6	364.5	365.1	362.7
25°	283.4	284.0	285.2	285.2	283.4
27.5°	220.1	220.1	218.9	220.1	218.3
30°	166.9	166.9	168.0	169.2	166.9
32.5°	129.0	129.0	129.0	129.6	130.2
35°	97.6	97.6	98.2	98.2	98.2
37.5°	75.1	75.7	76.3	76.3	76.3
40°	58.0	58.6	58.6	59.2	58.6
42.5°	46.2	46.2	46.2	46.7	46.7
45°	36.1	36.7	36.7	37.3	37.3
47.5°	29.6	29.6	29.6	30.2	30.2
50°	23.7	24.3	24.3	24.3	24.3
52.5°	19.5	19.5	20.1	20.1	20.1
55°	16.6	16.6	16.6	16.6	16.6
57.5°	13.6	14.2	14.2	14.2	14.2
60°	11.8	11.8	11.8	11.8	11.8
62.5°	10.1	10.1	10.1	10.1	10.1
65°	8.9	8.9	8.9	8.9	8.9
67.5°	7.1	7.7	7.7	7.7	7.7
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°	3.6	3.0	3.0	3.0	3.6
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)