

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: P1325182

Luminaire Tested: LDSQA3D05R45W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R45W2N902750DE010 3LSQCDR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

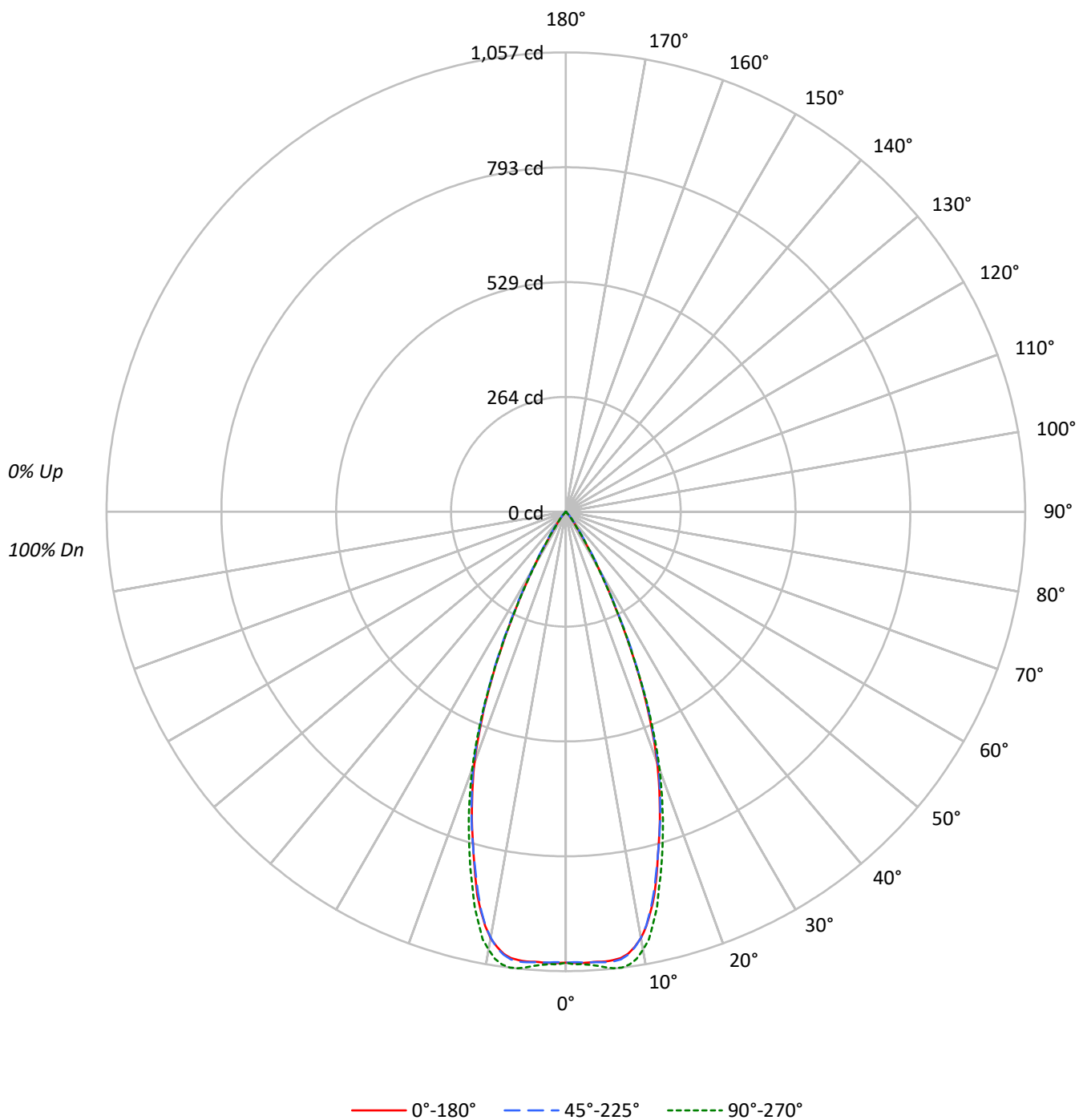
Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		86	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	178698	178698	178698
5°	179571	179917	181974
10°	174250	174110	178954
15°	146026	145955	151322
20°	112898	114052	115647
25°	69208	70633	69360
30°	29671	31023	28736
35°	9314	11227	9062
40°	3215	4092	3125
45°	585	1729	487
50°	322	643	322
55°	360	360	360
60°	276	276	276
65°	326	326	326
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	18.4
10°-20°	227.9	42.4
20°-30°	166.8	31.1
30°-40°	36.9	6.9
40°-50°	4.5	0.8
50°-60°	1.1	0.2
60°-70°	0.8	0.1
70°-80°	0.4	0.1
80°-90°	0.1	0.0
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°	493.3	91.9
0°-40°	530.2	98.7
0°-60°	535.8	99.8
0°-90°	537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1038	1038	1038	1038	1038	
5°	1039	1038	1041	1048	1053	98
15°	819	815	819	838	849	226
25°	364	364	372	369	365	165
35°	44	47	53	47	43	35
45°	2	4	7	4	2	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1037.6	1037.6	1037.6	1037.6	1037.6
1°	1038.3	1036.8	1036.4	1039.1	1041.1
2°	1039.1	1037.2	1037.6	1040.3	1041.5
3°	1038.3	1036.4	1038.3	1042.3	1043.9
4°	1038.0	1037.2	1039.1	1044.7	1047.5
5°	1038.7	1038.0	1040.7	1048.2	1052.6
6°	1037.6	1036.4	1040.3	1049.8	1056.2
7°	1034.8	1033.6	1038.0	1049.4	1056.6
8°	1027.3	1024.9	1029.2	1043.5	1052.2
9°	1013.8	1010.6	1015.0	1031.6	1041.9
10°	996.4	992.8	995.6	1011.8	1023.3
11°	971.4	966.7	969.9	987.3	1002.3
12°	939.8	933.0	937.0	956.8	967.5
13°	905.3	899.0	899.8	917.6	932.7
14°	862.6	854.3	857.8	876.4	888.3
15°	819.0	814.7	818.6	838.4	848.7
17.5°	719.3	718.9	722.5	737.1	742.6
20°	616.0	617.2	622.3	630.2	631.0
22.5°	493.6	494.0	499.6	505.1	503.9
25°	364.2	363.8	371.7	368.9	365.0
27.5°	241.5	243.1	250.2	245.0	241.1
30°	149.2	152.4	156.0	149.6	144.5
32.5°	80.8	85.9	91.0	85.5	80.4
35°	44.3	46.7	53.4	46.7	43.1
37.5°	25.7	26.9	31.3	26.9	24.5
40°	14.3	16.2	18.2	16.2	13.9
42.5°	5.9	9.1	11.1	9.1	5.9
45°	2.4	4.0	7.1	4.0	2.0
47.5°	1.2	1.6	4.4	1.6	1.2
50°	1.2	1.2	2.4	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	0.8	0.8	0.8	1.2	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.4	0.4	0.4	0.8	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	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)