

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: P1325175

Luminaire Tested: LDSQA3D05R45W2N902750DE010 3LSQCDR1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R45W2N902750DE010 3LSQCDR1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

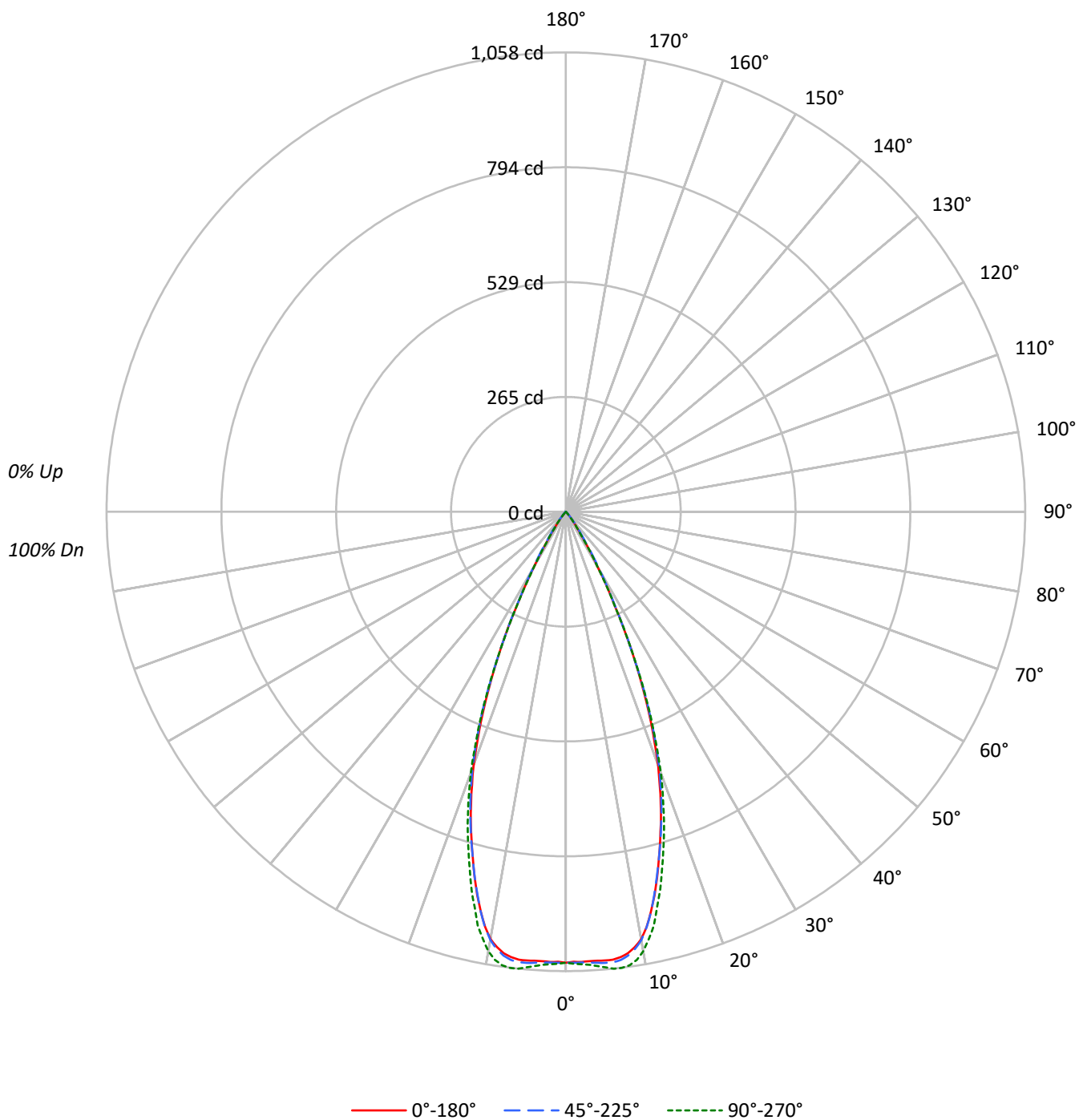
Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	178888	178888	178888
5°	179294	180314	182112
10°	174792	175142	179759
15°	147470	147542	152373
20°	113832	115445	117351
25°	70614	70690	71146
30°	29134	30963	28657
35°	9062	11080	8725
40°	2788	3867	2608
45°	195	1461	195
50°	0	214	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	18.4
10°-20°	229.8	42.8
20°-30°	168.6	31.4
30°-40°	36.2	6.7
40°-50°	3.5	0.6
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	497.3	92.6
0°-40°	533.5	99.4
0°-60°	537.0	100.0
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°	1039	1039	1039	1039	1039	
5°	1037	1040	1043	1050	1053	98
15°	827	826	828	841	855	228
25°	372	370	372	372	374	167
35°	43	46	53	45	42	34
45°	1	2	6	2	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
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°	1038.7	1038.7	1038.7	1038.7	1038.7
1°	1036.7	1039.1	1039.1	1040.6	1041.4
2°	1037.5	1039.1	1038.7	1041.4	1042.6
3°	1036.3	1039.1	1039.8	1043.0	1045.0
4°	1036.7	1039.1	1041.4	1046.2	1049.0
5°	1037.1	1039.8	1043.0	1050.2	1053.4
6°	1037.5	1039.5	1043.0	1052.2	1058.2
7°	1033.5	1036.3	1040.2	1051.8	1058.2
8°	1027.1	1028.7	1031.9	1047.0	1054.6
9°	1015.1	1014.7	1019.5	1036.3	1045.0
10°	999.5	994.7	1001.5	1018.3	1027.9
11°	974.4	969.2	975.2	993.1	1002.3
12°	941.7	941.7	942.8	958.8	974.8
13°	906.9	902.9	905.3	923.3	934.5
14°	868.6	864.6	867.0	880.6	898.1
15°	827.1	825.5	827.5	840.7	854.6
17.5°	728.5	724.9	732.1	745.3	752.4
20°	621.1	627.1	629.9	638.3	640.3
22.5°	497.8	504.2	508.1	509.3	510.5
25°	371.6	370.4	372.0	372.0	374.4
27.5°	244.3	244.3	248.7	245.9	243.1
30°	146.5	152.5	155.7	150.5	144.1
32.5°	79.8	85.8	91.0	83.4	77.8
35°	43.1	46.3	52.7	45.1	41.5
37.5°	23.6	26.3	30.3	25.5	23.6
40°	12.4	15.2	17.2	15.2	11.6
42.5°	4.0	7.6	10.0	7.6	3.6
45°	0.8	2.4	6.0	2.4	0.8
47.5°	0.0	0.4	2.8	0.4	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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)