

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: P1325172

Luminaire Tested: LDSQA3D05R45W2N902750DE010 3LSQCDR1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325172
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

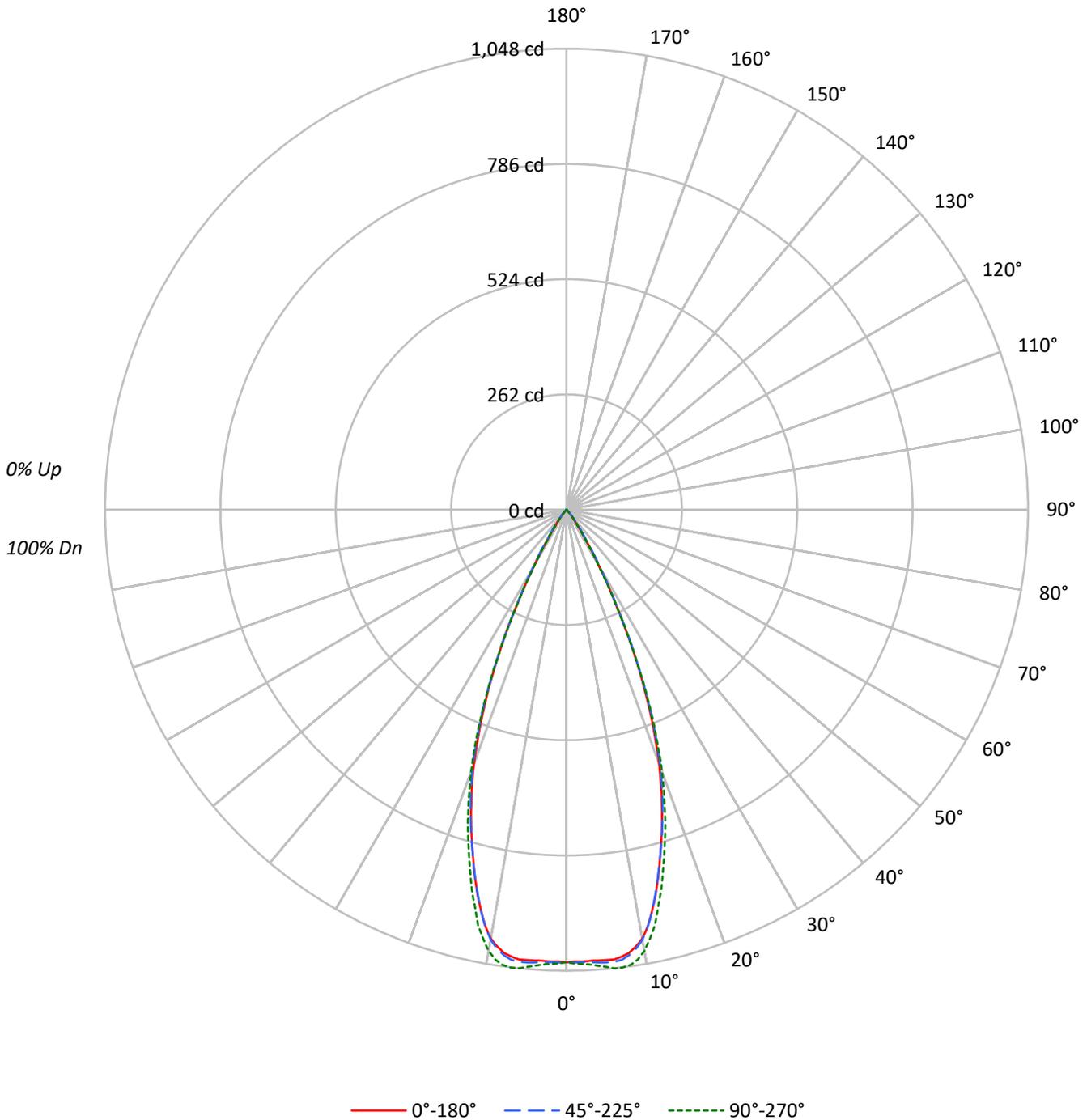
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 532.0 lumens
Efficiency: N/A
Efficacy: 90.2 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			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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	177217	177217	177217
5°	177617	178637	180418
10°	173166	173515	178080
15°	146097	146169	150965
20°	112769	114364	116252
25°	69968	70044	70481
30°	28855	30665	28398
35°	8977	10975	8641
40°	2765	3822	2585
45°	195	1437	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: 1437 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	18.4
10°-20°	227.7	42.8
20°-30°	167.0	31.4
30°-40°	35.9	6.7
40°-50°	3.4	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°	492.7	92.6
0°-40°	528.6	99.4
0°-60°	532.0	100.0
0°-90°	532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	532.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1027	1030	1033	1040	1044	97
15°	819	818	820	833	847	226
25°	368	367	369	369	371	165
35°	43	46	52	45	41	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1029.0	1029.0	1029.0	1029.0	1029.0
1°	1027.0	1029.4	1029.4	1031.0	1031.7
2°	1027.8	1029.4	1029.0	1031.7	1032.9
3°	1026.6	1029.4	1030.2	1033.3	1035.3
4°	1027.0	1029.4	1031.7	1036.5	1039.3
5°	1027.4	1030.2	1033.3	1040.4	1043.6
6°	1027.8	1029.8	1033.3	1042.4	1048.4
7°	1023.8	1026.6	1030.6	1042.0	1048.4
8°	1017.5	1019.1	1022.3	1037.3	1044.8
9°	1005.6	1005.3	1010.0	1026.6	1035.3
10°	990.2	985.5	992.2	1008.8	1018.3
11°	965.3	960.2	966.1	983.9	993.0
12°	932.9	932.9	934.1	949.9	965.7
13°	898.5	894.5	896.9	914.7	925.8
14°	860.5	856.6	858.9	872.4	889.8
15°	819.4	817.8	819.8	832.8	846.7
17.5°	721.7	718.2	725.3	738.3	745.4
20°	615.3	621.3	624.0	632.3	634.3
22.5°	493.1	499.5	503.4	504.6	505.8
25°	368.2	367.0	368.6	368.6	370.9
27.5°	242.0	242.0	246.4	243.6	240.8
30°	145.1	151.1	154.2	149.1	142.8
32.5°	79.1	85.0	90.2	82.7	77.1
35°	42.7	45.9	52.2	44.7	41.1
37.5°	23.3	26.1	30.1	25.3	23.3
40°	12.3	15.0	17.0	15.0	11.5
42.5°	4.0	7.5	9.9	7.5	3.6
45°	0.8	2.4	5.9	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)