

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: P1325174

Luminaire Tested: LDSQA3D05R45W2N902750DE010 3LSQCDR1MB\_4000K

Issue Date: 1/29/2026

**Test Information**

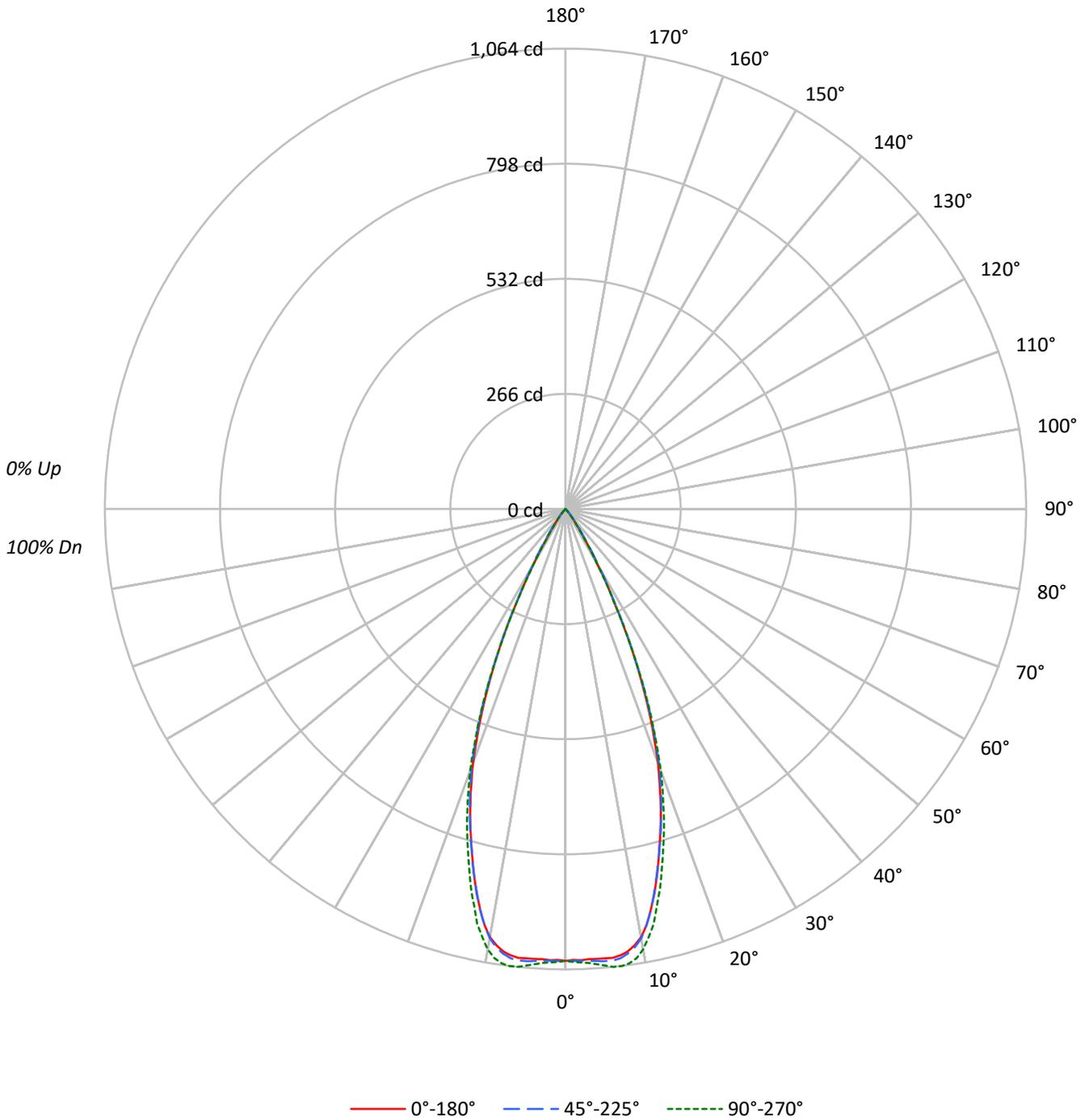
Test Method: LM-79-2019  
Report Number: P1325174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R45W2N902750DE010 3LSQCDR1MB\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 540.0 lumens  
Efficiency: N/A  
Efficacy: 91.5 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	179887	179887	179887
5°	180280	181334	183132
10°	175771	176121	180755
15°	148290	148362	153229
20°	114474	116087	118011
25°	71013	71089	71545
30°	29293	31122	28816
35°	9125	11143	8767
40°	2788	3889	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°	99.4	18.4
10°-20°	231.1	42.8
20°-30°	169.5	31.4
30°-40°	36.4	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°	500.1	92.6
0°-40°	536.5	99.4
0°-60°	540.0	100.0
0°-90°	540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	540.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1044	1044	1044	1044	1044	
5°	1043	1046	1049	1056	1059	99
15°	832	830	832	845	859	229
25°	374	372	374	374	376	168
35°	43	47	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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1044.5	1044.5	1044.5	1044.5	1044.5
1°	1042.4	1044.9	1044.9	1046.5	1047.3
2°	1043.3	1044.9	1044.5	1047.3	1048.5
3°	1042.0	1044.9	1045.7	1048.9	1050.9
4°	1042.4	1044.9	1047.3	1052.1	1054.9
5°	1042.8	1045.7	1048.9	1056.1	1059.3
6°	1043.3	1045.3	1048.9	1058.1	1064.1
7°	1039.2	1042.0	1046.1	1057.7	1064.1
8°	1032.8	1034.4	1037.6	1052.9	1060.5
9°	1020.8	1020.4	1025.2	1042.0	1050.9
10°	1005.1	1000.3	1007.1	1024.0	1033.6
11°	979.8	974.6	980.6	998.7	1007.9
12°	946.9	946.9	948.1	964.2	980.2
13°	912.0	908.0	910.4	928.4	939.7
14°	873.5	869.4	871.9	885.5	903.2
15°	831.7	830.1	832.1	845.4	859.4
17.5°	732.6	729.0	736.2	749.4	756.6
20°	624.6	630.6	633.4	641.8	643.9
22.5°	500.6	507.0	511.0	512.2	513.4
25°	373.7	372.5	374.1	374.1	376.5
27.5°	245.7	245.7	250.1	247.3	244.5
30°	147.3	153.3	156.5	151.3	144.9
32.5°	80.3	86.3	91.5	83.9	78.3
35°	43.4	46.6	53.0	45.4	41.7
37.5°	23.7	26.5	30.5	25.7	23.7
40°	12.4	15.3	17.3	15.3	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)