

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: P1325183

Luminaire Tested: LDSQA3D05R45W2N902750DE010 3LSQCDR1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325183
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_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3500K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

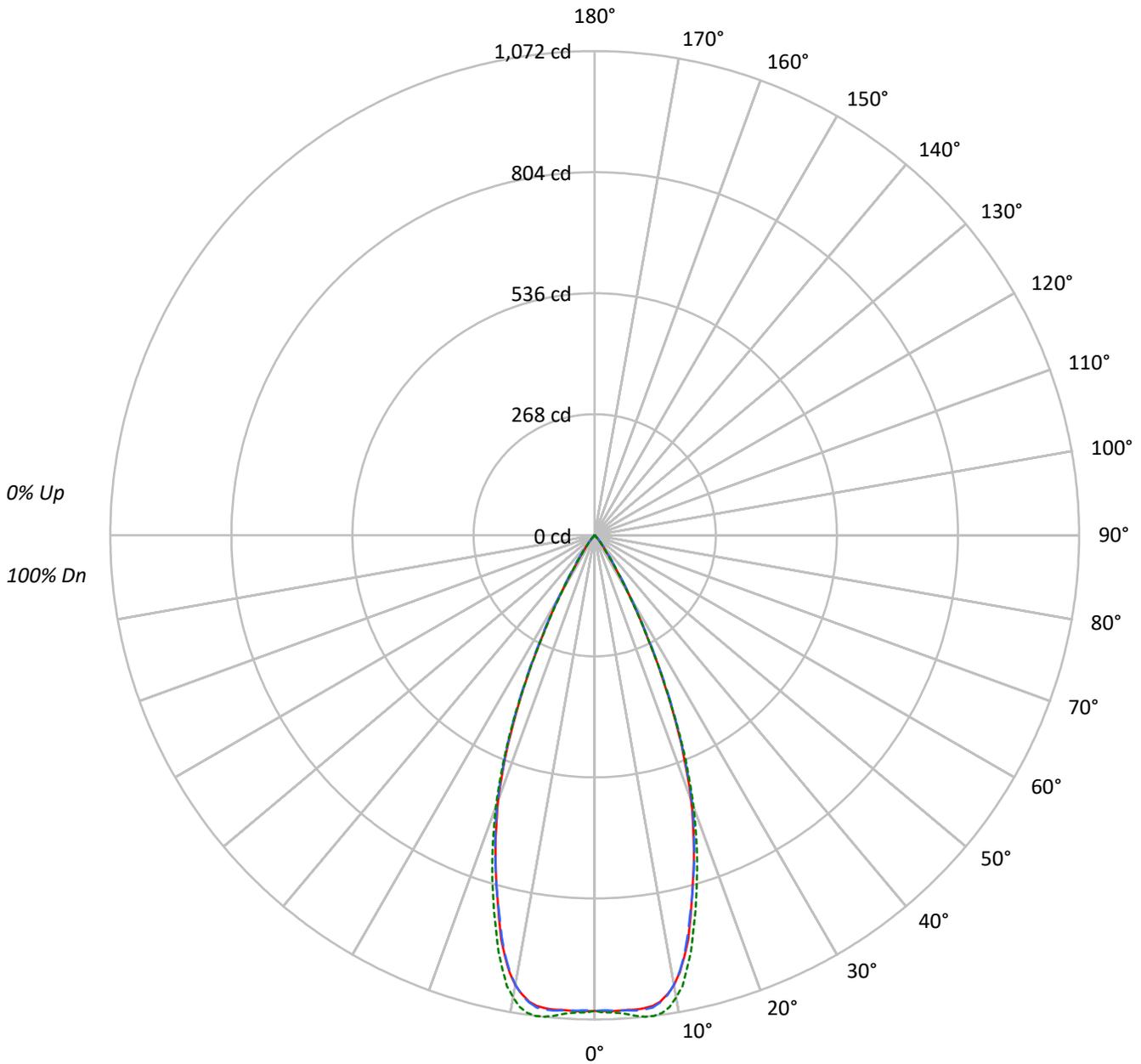
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 545.0 lumens
Efficiency: N/A
Efficacy: 92.4 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



— 0°-180° - - - 45°-225° - · - · 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	181350	181350	181350
5°	182251	182596	184688
10°	176838	176698	181630
15°	148201	148130	153586
20°	114566	115757	117370
25°	70234	71697	70386
30°	30128	31480	29154
35°	9461	11395	9209
40°	3260	4159	3170
45°	585	1754	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: 1754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	18.4
10°-20°	231.3	42.4
20°-30°	169.3	31.1
30°-40°	37.4	6.9
40°-50°	4.6	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°	500.7	91.9
0°-40°	538.1	98.7
0°-60°	543.7	99.8
0°-90°	545.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1053	1053	1053	1053	1053	
5°	1054	1053	1056	1064	1068	100
15°	831	827	831	851	861	229
25°	370	369	377	374	370	167
35°	45	47	54	47	44	36
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1053.0	1053.0	1053.0	1053.0	1053.0
1°	1053.8	1052.2	1051.8	1054.6	1056.6
2°	1054.6	1052.6	1053.0	1055.8	1057.0
3°	1053.8	1051.8	1053.8	1057.8	1059.4
4°	1053.4	1052.6	1054.6	1060.2	1063.1
5°	1054.2	1053.4	1056.2	1063.9	1068.3
6°	1053.0	1051.8	1055.8	1065.5	1071.9
7°	1050.2	1049.0	1053.4	1065.1	1072.3
8°	1042.6	1040.2	1044.6	1059.0	1067.9
9°	1028.9	1025.7	1030.1	1047.0	1057.4
10°	1011.2	1007.6	1010.4	1026.9	1038.6
11°	985.9	981.1	984.3	1002.0	1017.3
12°	953.8	946.9	951.0	971.1	981.9
13°	918.8	912.4	913.2	931.3	946.5
14°	875.4	867.0	870.6	889.5	901.6
15°	831.2	826.8	830.8	850.9	861.4
17.5°	730.0	729.6	733.2	748.1	753.7
20°	625.1	626.3	631.6	639.6	640.4
22.5°	501.0	501.4	507.0	512.6	511.4
25°	369.6	369.2	377.3	374.4	370.4
27.5°	245.1	246.7	253.9	248.7	244.7
30°	151.5	154.7	158.3	151.9	146.6
32.5°	82.0	87.2	92.4	86.8	81.6
35°	45.0	47.4	54.2	47.4	43.8
37.5°	26.1	27.3	31.7	27.3	24.9
40°	14.5	16.5	18.5	16.5	14.1
42.5°	6.0	9.2	11.2	9.2	6.0
45°	2.4	4.0	7.2	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)