

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: P1325238

Luminaire Tested: LDSQA3D05R45W2N902765DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325238
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: LDSQA3D05R45W2N902765DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

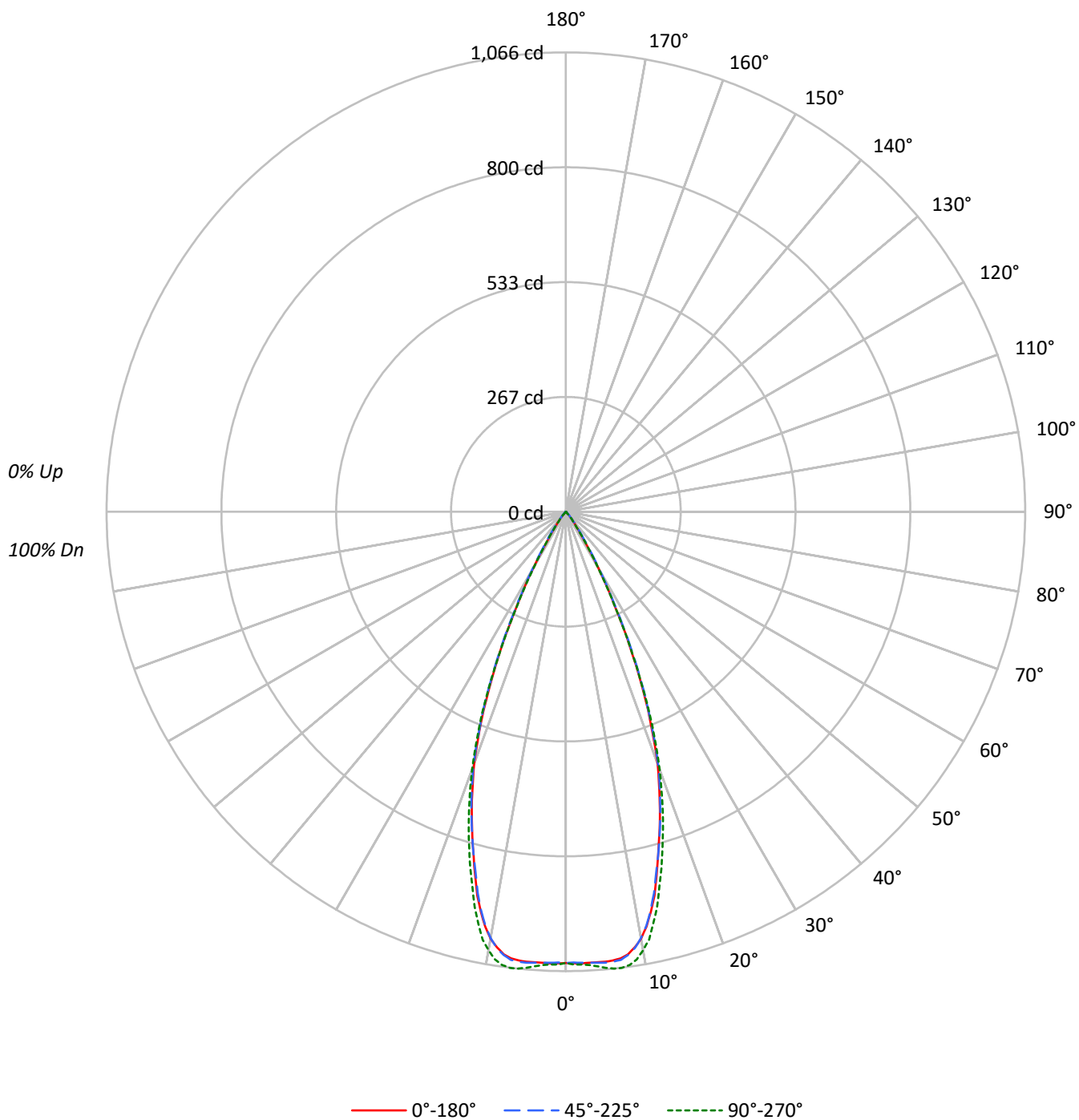
Lumens per Lamp: N/A
Luminaire Lumens: 542.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	180352	180352	180352
5°	181248	181594	183668
10°	175876	175736	180615
15°	147399	147328	152730
20°	113942	115115	116728
25°	69854	71298	70006
30°	29949	31301	28995
35°	9398	11332	9167
40°	3237	4137	3147
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°	99.5	18.4
10°-20°	230.0	42.4
20°-30°	168.4	31.1
30°-40°	37.2	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°	497.9	91.9
0°-40°	535.1	98.7
0°-60°	540.7	99.8
0°-90°	542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1047	1047	1047	1047	1047	
5°	1048	1048	1050	1058	1062	99
15°	827	822	826	846	857	228
25°	368	367	375	372	368	166
35°	45	47	54	47	44	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°	1047.2	1047.2	1047.2	1047.2	1047.2
1°	1048.0	1046.4	1046.0	1048.8	1050.8
2°	1048.8	1046.8	1047.2	1050.0	1051.2
3°	1048.0	1046.0	1048.0	1052.0	1053.6
4°	1047.6	1046.8	1048.8	1054.4	1057.2
5°	1048.4	1047.6	1050.4	1058.0	1062.4
6°	1047.2	1046.0	1050.0	1059.6	1066.0
7°	1044.4	1043.2	1047.6	1059.2	1066.4
8°	1036.8	1034.4	1038.8	1053.2	1062.0
9°	1023.2	1020.0	1024.4	1041.2	1051.6
10°	1005.7	1002.1	1004.9	1021.2	1032.8
11°	980.5	975.7	978.9	996.5	1011.7
12°	948.5	941.7	945.7	965.7	976.5
13°	913.8	907.4	908.2	926.2	941.3
14°	870.6	862.2	865.8	884.6	896.6
15°	826.7	822.3	826.3	846.2	856.6
17.5°	726.0	725.6	729.2	744.0	749.6
20°	621.7	622.9	628.1	636.1	636.9
22.5°	498.2	498.6	504.2	509.8	508.6
25°	367.6	367.2	375.2	372.4	368.4
27.5°	243.7	245.3	252.5	247.3	243.3
30°	150.6	153.8	157.4	151.0	145.8
32.5°	81.5	86.7	91.9	86.3	81.1
35°	44.7	47.1	53.9	47.1	43.6
37.5°	26.0	27.2	31.6	27.2	24.8
40°	14.4	16.4	18.4	16.4	14.0
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)