

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: P1325181

Luminaire Tested: LDSQA3D05R45W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325181
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

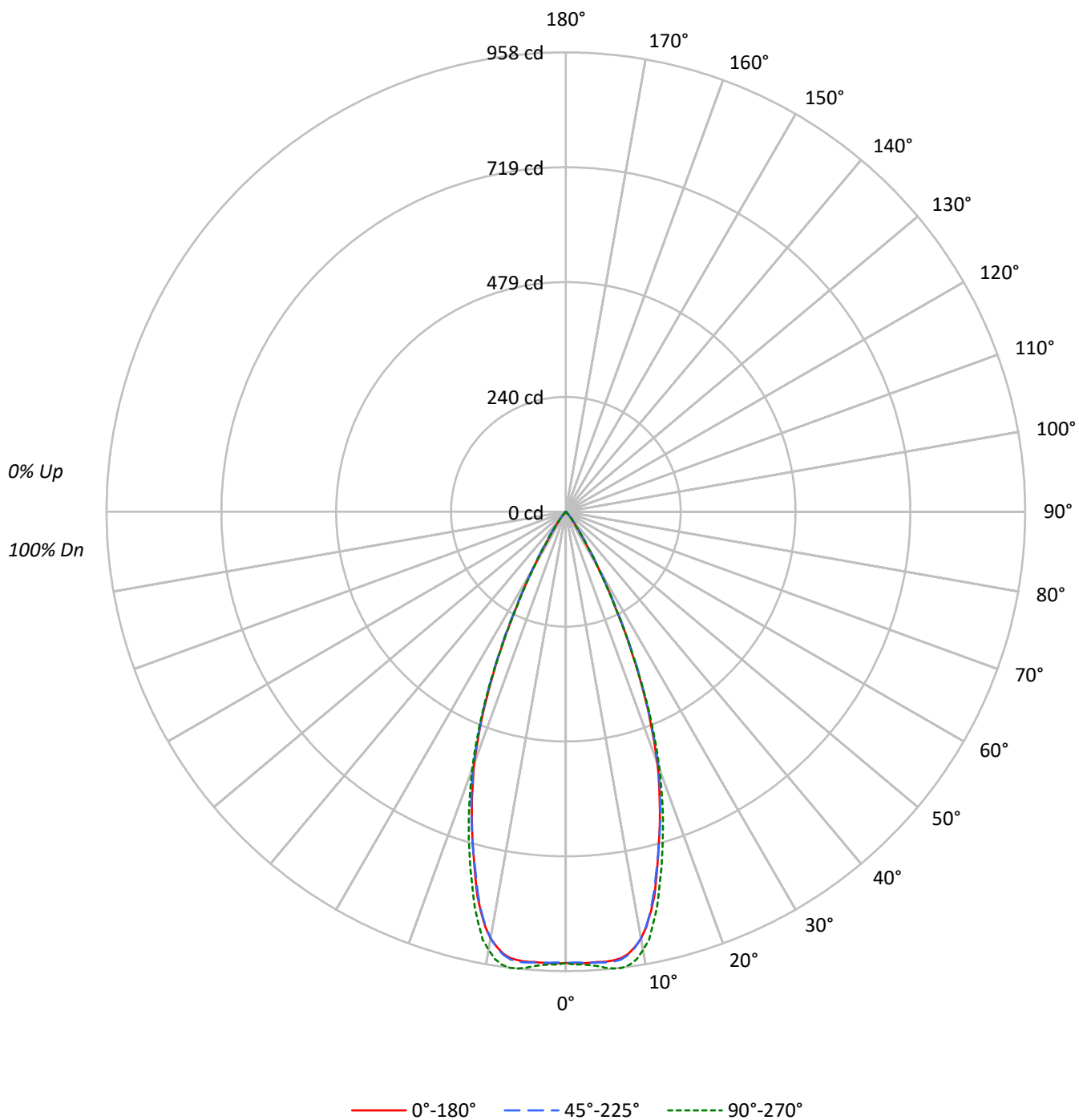
Lumens per Lamp: N/A
Luminaire Lumens: 487.1 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	94	93
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	90	89
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86	85	84
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	82	81	80
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79	78	77
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75	74	73
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	72	71	70
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69	68	67
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	66	65	64
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	162062	162062	162062
5°	162853	163165	165032
10°	158021	157899	162288
15°	132440	132368	137236
20°	102378	103441	104889
25°	62766	64058	62899
30°	26907	28120	26051
35°	8452	10197	8221
40°	2900	3710	2833
45°	536	1583	438
50°	295	589	295
55°	330	330	330
60°	241	241	241
65°	285	285	285
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: 1583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	18.4
10°-20°	206.6	42.4
20°-30°	151.3	31.1
30°-40°	33.4	6.9
40°-50°	4.1	0.8
50°-60°	1.0	0.2
60°-70°	0.7	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°	447.4	91.9
0°-40°	480.8	98.7
0°-60°	485.9	99.8
0°-90°	487.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	487.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	942	941	944	951	955	89
15°	743	739	742	760	770	205
25°	330	330	337	335	331	150
35°	40	42	48	42	39	32
45°	2	4	6	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°	941.0	941.0	941.0	941.0	941.0
1°	941.7	940.2	939.9	942.4	944.2
2°	942.4	940.6	941.0	943.5	944.5
3°	941.7	939.9	941.7	945.3	946.7
4°	941.3	940.6	942.4	947.4	949.9
5°	942.0	941.3	943.8	950.6	954.6
6°	941.0	939.9	943.5	952.1	957.8
7°	938.4	937.4	941.3	951.7	958.2
8°	931.6	929.5	933.4	946.3	954.2
9°	919.4	916.5	920.5	935.6	944.9
10°	903.6	900.4	902.9	917.6	928.0
11°	881.0	876.7	879.6	895.4	909.0
12°	852.3	846.2	849.8	867.7	877.4
13°	821.0	815.3	816.0	832.2	845.8
14°	782.3	774.7	778.0	794.8	805.6
15°	742.8	738.8	742.4	760.4	769.7
17.5°	652.3	652.0	655.2	668.5	673.5
20°	558.6	559.7	564.4	571.5	572.3
22.5°	447.7	448.0	453.1	458.1	457.0
25°	330.3	329.9	337.1	334.6	331.0
27.5°	219.0	220.4	226.9	222.2	218.6
30°	135.3	138.2	141.4	135.7	131.0
32.5°	73.2	77.9	82.6	77.5	72.9
35°	40.2	42.4	48.5	42.4	39.1
37.5°	23.3	24.4	28.4	24.4	22.3
40°	12.9	14.7	16.5	14.7	12.6
42.5°	5.4	8.3	10.1	8.3	5.4
45°	2.2	3.6	6.5	3.6	1.8
47.5°	1.1	1.4	3.9	1.4	1.1
50°	1.1	1.1	2.2	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	0.7	0.7	0.7	1.1	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.4	0.4	0.4	0.7	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)