

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: P1324541

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

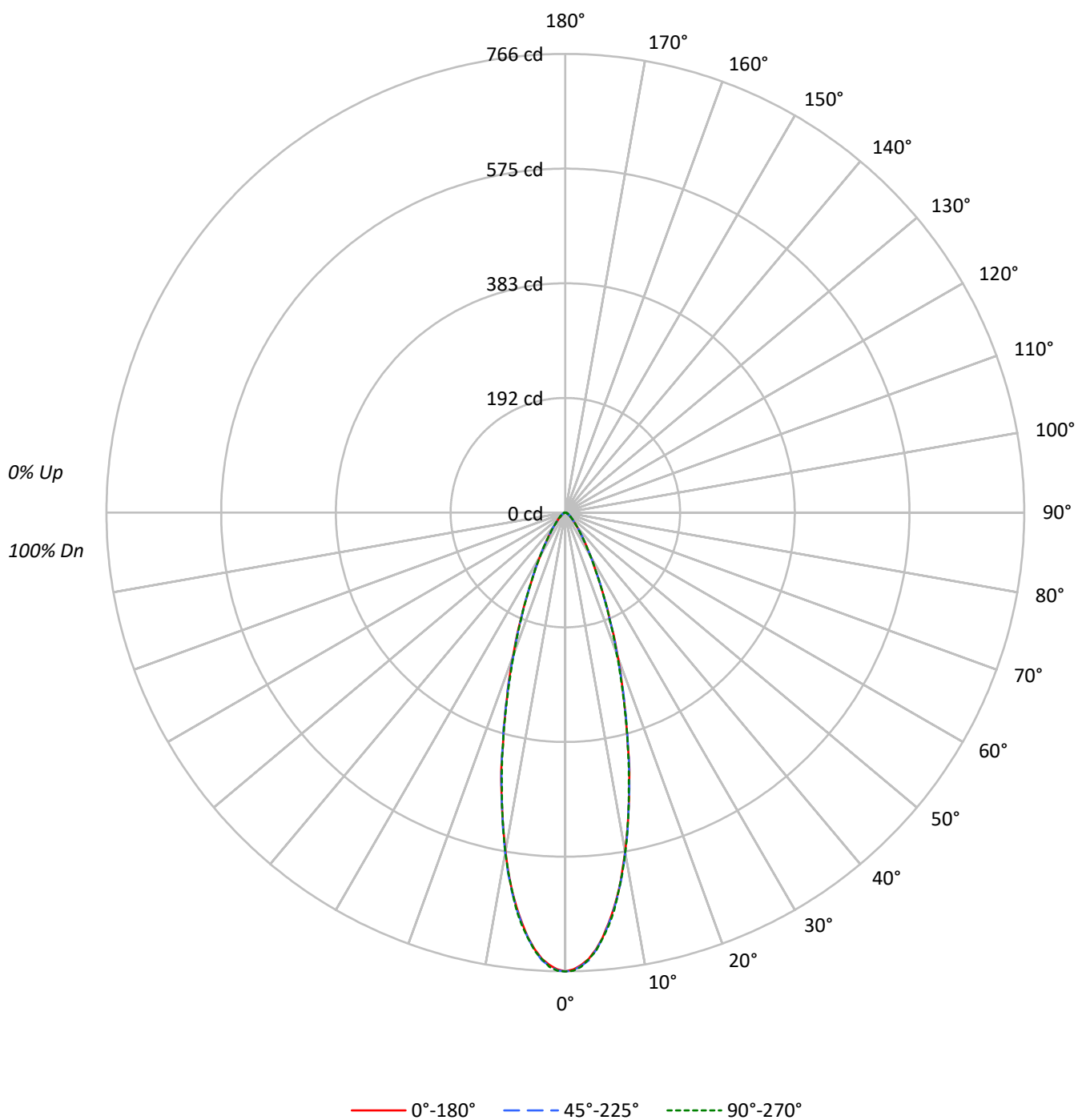
Lumens per Lamp: N/A
Luminaire Lumens: 307.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1324541

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MB_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1324541

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MB_2700K

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	100						
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94						
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88						
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83						
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79						
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74						
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	71						
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67						
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64						
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	62						
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59						

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	131957	131957	131957
5°	123160	123281	123350
10°	100468	100783	100783
15°	71747	72139	71747
20°	46955	46497	45837
25°	27915	28048	27915
30°	16824	16824	16744
35°	10239	10323	10239
40°	6520	6610	6610
45°	4530	4530	4530
50°	3269	3349	3349
55°	2582	2582	2702
60°	2101	2239	2239
65°	1915	1915	1915
70°	1611	1611	1813
75°	1464	1464	1664
80°	1389	1389	1389
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4530 cd/sqm

TEST NUMBER: P1324541

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MB_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	20.7
10°-20°	111.0	36.1
20°-30°	69.8	22.7
30°-40°	31.9	10.4
40°-50°	14.9	4.9
50°-60°	8.0	2.6
60°-70°	4.7	1.5
70°-80°	2.5	0.8
80°-90°	0.6	0.2
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°	244.4	79.6
0°-40°	276.3	90.0
0°-60°	299.3	97.5
0°-90°	307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	766	766	766	766	766	
5°	712	714	713	714	714	64
15°	402	405	405	405	402	111
25°	147	149	148	148	147	70
35°	49	49	49	49	49	32
45°	19	19	19	19	19	15
55°	9	9	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1324541

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MB_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	766.2	766.2	766.2	766.2	766.2
1°	763.0	763.7	764.4	765.5	765.1
2°	755.8	757.2	757.6	759.0	758.7
3°	746.1	745.8	748.6	748.6	746.8
4°	731.1	731.8	732.5	733.2	733.6
5°	712.4	713.9	713.1	713.9	713.5
6°	689.5	691.6	691.3	692.0	693.1
7°	665.1	666.6	666.6	665.8	668.7
8°	638.6	637.5	639.3	638.6	638.3
9°	607.1	609.2	609.6	607.8	608.5
10°	574.5	575.9	576.3	577.3	576.3
11°	542.2	542.2	542.9	544.7	541.9
12°	507.1	510.3	507.1	508.5	507.1
13°	473.8	474.5	473.8	473.4	470.9
14°	442.2	439.7	440.4	437.6	437.9
15°	402.4	405.0	404.6	405.3	402.4
17.5°	323.6	325.0	324.7	324.0	320.4
20°	256.2	256.2	253.7	252.3	250.1
22.5°	195.7	195.0	193.9	192.8	193.5
25°	146.9	148.7	147.6	147.6	146.9
27.5°	111.1	113.2	111.5	110.4	111.1
30°	84.6	85.3	84.6	84.2	84.2
32.5°	63.8	64.1	63.8	63.8	63.8
35°	48.7	48.7	49.1	49.1	48.7
37.5°	37.6	37.6	37.6	37.6	38.0
40°	29.0	29.4	29.4	29.4	29.4
42.5°	22.9	23.3	23.3	23.3	23.3
45°	18.6	18.6	18.6	18.6	18.6
47.5°	15.1	15.1	15.1	15.1	15.4
50°	12.2	12.5	12.5	12.5	12.5
52.5°	10.4	10.4	10.4	10.4	10.4
55°	8.6	8.6	8.6	9.0	9.0
57.5°	7.2	7.2	7.5	7.5	7.5
60°	6.1	6.5	6.5	6.5	6.5
62.5°	5.4	5.4	5.7	5.7	5.7
65°	4.7	4.7	4.7	4.7	4.7
67.5°	3.9	3.9	3.9	3.9	4.3
70°	3.2	3.2	3.2	3.6	3.6
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.2	2.2	2.2	2.5	2.5
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.4	1.4	1.4	1.4	1.4
82.5°	0.7	0.7	1.1	1.1	1.1
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1324541

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MB_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)