

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: P1325380

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

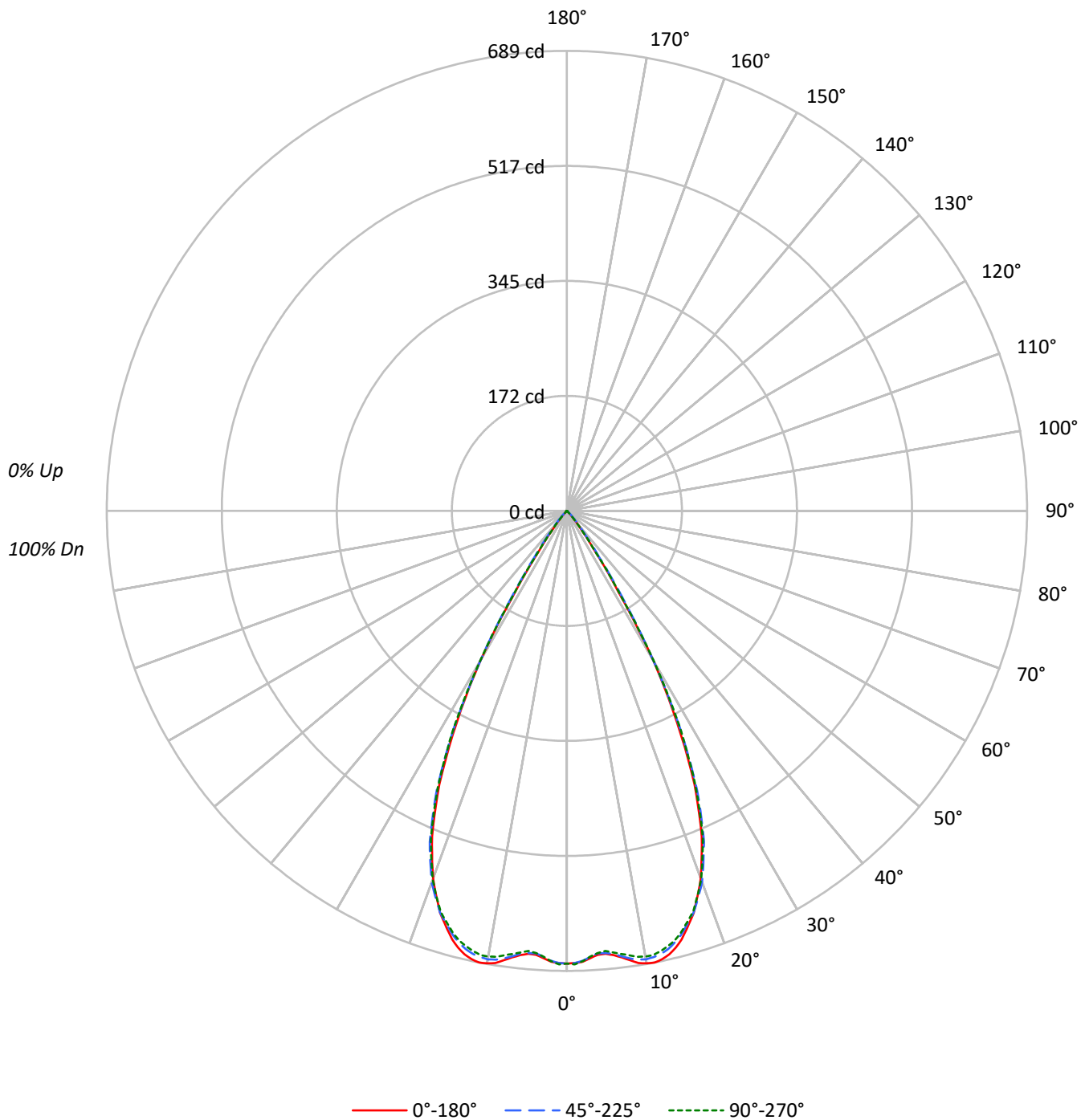
Lumens per Lamp: N/A
Luminaire Lumens: 520.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1325380

CATALOG NUMBER: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1325380

CATALOG NUMBER: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW_3000K

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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	116784	116784	116784
5°	115104	114914	114360
10°	120317	119268	118516
15°	118443	117374	116892
20°	107399	108481	107674
25°	85873	87678	86861
30°	51506	51506	52123
35°	14885	17619	15369
40°	4272	5778	4272
45°	974	2216	974
50°	429	750	322
55°	360	360	360
60°	413	413	413
65°	326	326	326
70°	403	403	403
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2216 cd/sqm

TEST NUMBER: P1325380

CATALOG NUMBER: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	12.4
10°-20°	183.3	35.2
20°-30°	201.9	38.8
30°-40°	61.8	11.9
40°-50°	6.1	1.2
50°-60°	1.1	0.2
60°-70°	0.9	0.2
70°-80°	0.5	0.1
80°-90°	0.2	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°	449.4	86.4
0°-40°	511.2	98.3
0°-60°	518.5	99.7
0°-90°	520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	678	678	678	678	678	
5°	666	666	665	663	662	65
15°	664	663	658	656	656	184
25°	452	456	461	466	457	199
35°	71	74	84	77	73	58
45°	4	6	9	6	4	5
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	

TEST NUMBER: P1325380

CATALOG NUMBER: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	678.1	678.1	678.1	678.1	678.1
1°	677.3	677.7	677.3	676.5	679.3
2°	675.7	675.3	674.1	673.7	674.9
3°	670.6	670.6	669.0	668.2	668.6
4°	666.6	666.6	664.3	663.5	663.9
5°	665.8	665.8	664.7	662.7	661.5
6°	669.0	669.8	667.0	665.0	665.0
7°	673.7	674.1	672.2	669.4	668.6
8°	679.7	680.1	676.9	673.7	672.2
9°	685.6	684.8	680.5	677.3	676.1
10°	688.0	687.6	682.0	678.9	677.7
11°	689.2	687.2	680.9	678.1	677.7
12°	686.4	684.8	678.1	675.3	674.1
13°	681.7	679.3	673.7	671.0	669.4
14°	674.1	671.8	666.6	663.5	663.9
15°	664.3	663.1	658.3	655.6	655.6
17.5°	631.4	632.2	631.0	629.9	629.1
20°	586.0	589.1	591.9	590.3	587.5
22.5°	527.8	533.4	536.5	537.3	532.2
25°	451.9	456.3	461.4	465.8	457.1
27.5°	357.4	361.4	366.1	368.9	367.7
30°	259.0	259.4	259.0	264.1	262.1
32.5°	143.9	155.8	157.8	161.3	148.7
35°	70.8	74.3	83.8	77.1	73.1
37.5°	34.0	36.4	45.5	37.2	35.6
40°	19.0	20.6	25.7	21.4	19.0
42.5°	9.1	11.9	13.8	12.3	9.1
45°	4.0	5.9	9.1	5.9	4.0
47.5°	1.6	2.4	5.5	2.4	1.6
50°	1.6	1.2	2.8	1.2	1.2
52.5°	1.2	1.2	1.6	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°	1.2	1.2	1.2	1.2	1.2
62.5°	0.8	1.2	1.2	1.2	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°	0.8	0.8	0.8	0.8	0.8
72.5°	0.4	0.8	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°	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1325380

CATALOG NUMBER: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW_3000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)