

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: P1325478

Luminaire Tested: LDSQA3D05R60W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R60W2N902750DE010 3LSQCDR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

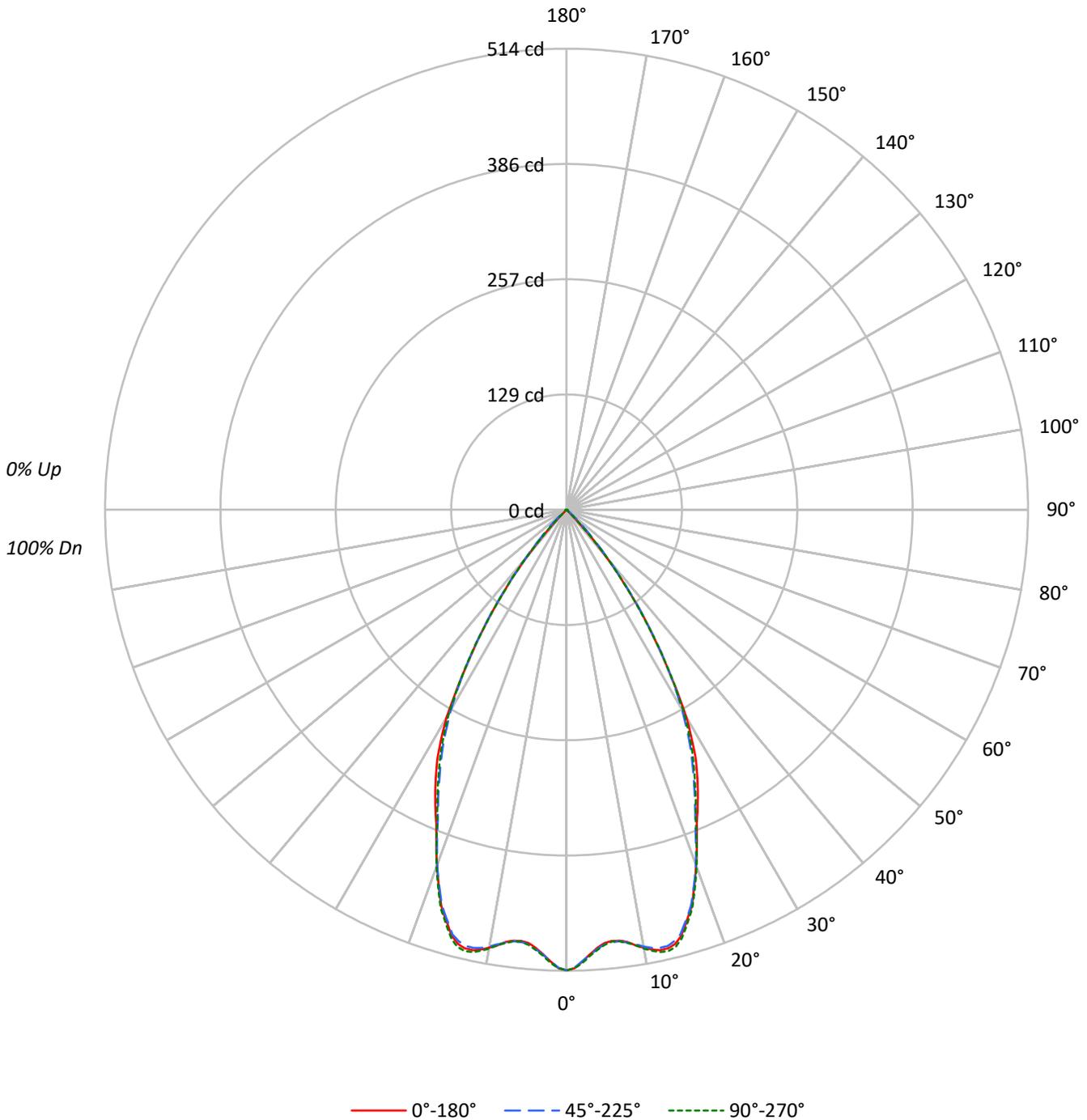
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 458.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
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			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	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	88436	88436	88436
5°	83812	84072	84193
10°	86723	86478	86915
15°	87776	87402	88293
20°	77306	77232	77617
25°	65768	63868	64419
30°	53097	51228	52083
35°	33597	33891	33534
40°	15715	16344	15940
45°	950	5748	1145
50°	482	1340	482
55°	540	540	540
60°	482	482	482
65°	448	571	448
70°	554	554	554
75°	466	466	466
80°	397	397	397
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5748 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	10.2
10°-20°	134.8	29.4
20°-30°	155.4	33.9
30°-40°	99.8	21.8
40°-50°	17.3	3.8
50°-60°	1.7	0.4
60°-70°	1.3	0.3
70°-80°	0.8	0.2
80°-90°	0.3	0.1
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°	337.0	73.6
0°-40°	436.7	95.4
0°-60°	455.7	99.5
0°-90°	458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	458.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	514	514	514	514	514	
5°	485	486	486	487	487	47
15°	492	491	490	493	495	135
25°	346	342	336	336	339	158
35°	160	159	161	158	160	100
45°	4	12	24	14	5	13
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	513.5	513.5	513.5	513.5	513.5
1°	511.3	511.0	510.6	511.0	511.3
2°	504.2	503.8	503.5	504.9	505.6
3°	496.3	496.6	497.0	497.7	498.1
4°	489.8	490.6	490.9	491.6	492.0
5°	484.8	485.9	486.3	487.3	487.0
6°	483.4	484.1	484.5	484.8	484.1
7°	484.1	484.5	484.8	485.5	484.8
8°	486.6	487.0	487.3	487.7	487.7
9°	491.6	490.9	490.6	492.0	491.6
10°	495.9	494.9	494.5	496.6	497.0
11°	499.5	498.1	497.7	500.2	500.9
12°	502.0	499.9	499.5	502.7	504.2
13°	502.0	499.2	499.2	502.7	504.9
14°	499.2	495.9	495.9	499.9	502.4
15°	492.3	490.6	490.2	493.4	495.2
17.5°	463.7	461.5	461.9	465.5	465.8
20°	421.8	420.7	421.4	422.1	423.5
22.5°	379.1	378.4	374.5	375.5	376.2
25°	346.1	342.2	336.1	336.5	339.0
27.5°	311.4	307.4	298.8	300.6	303.1
30°	267.0	263.7	257.6	258.7	261.9
32.5°	209.6	216.1	210.3	212.1	211.1
35°	159.8	158.7	161.2	158.0	159.5
37.5°	112.5	112.9	113.9	111.1	111.1
40°	69.9	71.7	72.7	71.3	70.9
42.5°	29.4	40.1	42.3	40.1	29.7
45°	3.9	11.8	23.6	14.0	4.7
47.5°	1.8	2.5	12.5	2.5	1.8
50°	1.8	1.8	5.0	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.1	1.4	1.4	1.4	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4
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)