

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: P1325449

Luminaire Tested: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

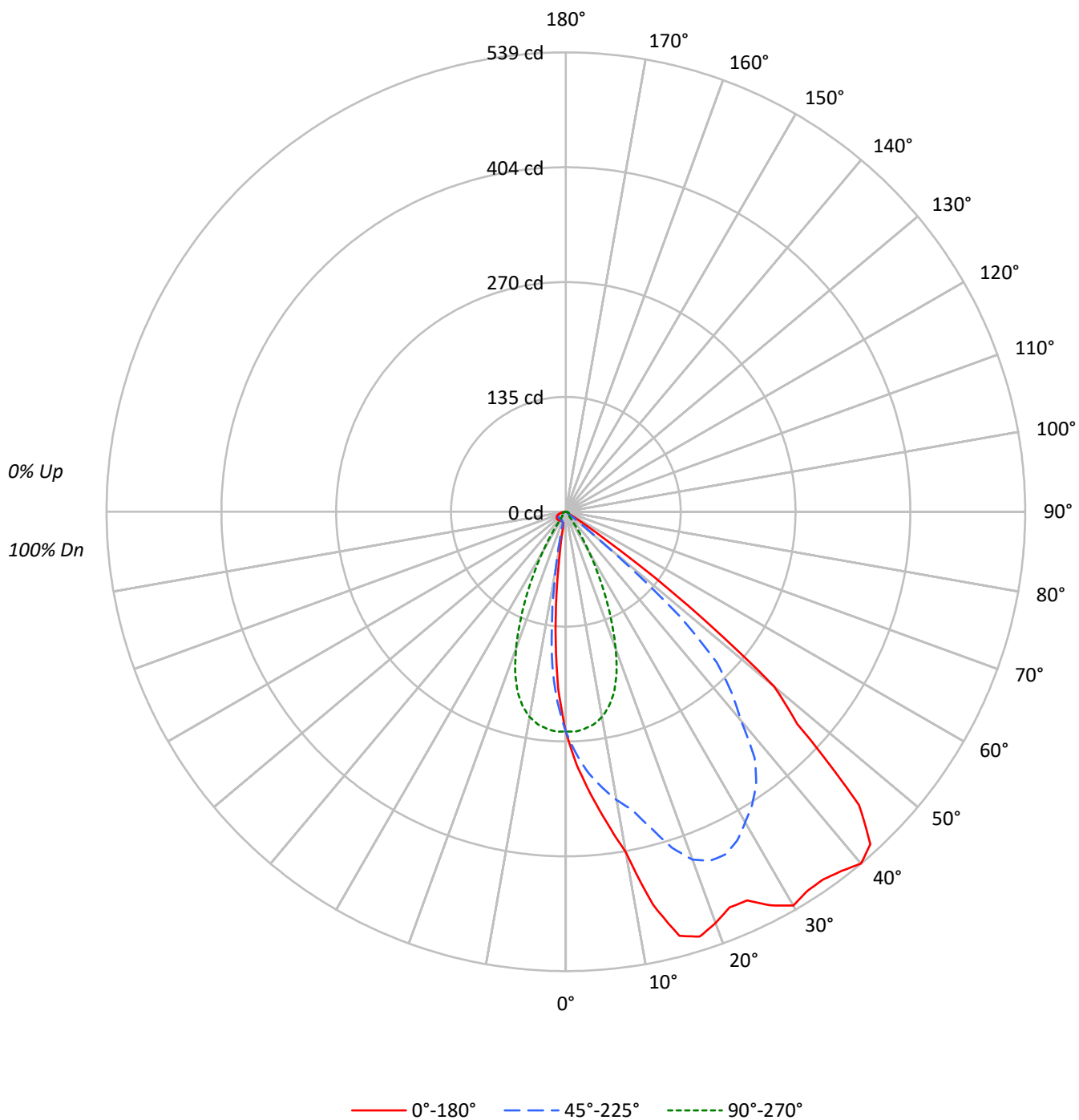
Lumens per Lamp: N/A
Luminaire Lumens: 419.1 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	44416	44416	44416	44416	44416
5°	57379	53282	44171	31464	24013
10°	70914	60054	42758	11892	3533
15°	91841	68342	39012	2603	2336
20°	94112	79615	31395	2181	2254
25°	95621	84277	21055	2109	2261
30°	106115	83703	10858	2128	2367
35°	110694	81848	2985	2250	2586
40°	121133	71763	1416	2406	2855
45°	118516	60987	1437	2606	3191
50°	85416	15058	1581	2867	3510
55°	16394	961	1651	3093	3933
60°	827	964	1619	3272	4237
65°	815	978	1630	3382	4523
70°	806	1007	1611	3374	4582
75°	799	1065	1597	3394	4724
80°	397	1190	1587	3570	4661
85°	790	790	1581	3162	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 118516 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	5.4
10°-20°	61.9	14.8
20°-30°	95.3	22.7
30°-40°	111.8	26.7
40°-50°	89.7	21.4
50°-60°	27.9	6.6
60°-70°	5.3	1.3
70°-80°	3.5	0.8
80°-90°	1.2	0.3
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°	179.7	42.9
0°-40°	291.5	69.6
0°-60°	409.0	97.6
0°-90°	419.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	419.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	258	258	258	258	258	
5°	332	308	256	182	139	34
15°	515	383	219	15	13	141
25°	503	444	111	11	12	238
35°	526	389	14	11	12	333
45°	487	250	6	11	13	348
55°	55	3	6	10	13	86
65°	2	2	4	8	11	2
75°	1	2	2	5	7	1
85°	0	0	1	2	2	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9
2.5°	297.5	294.3	294.3	293.1	291.9	292.3	289.2	290.4	287.2	284.8	282.8
5°	331.9	327.9	327.5	325.6	323.6	322.0	318.1	315.7	310.9	308.2	302.2
7.5°	367.5	364.3	362.4	360.0	356.4	352.5	345.7	341.4	333.9	326.4	318.8
10°	405.5	402.7	398.4	395.6	385.7	379.4	370.3	364.3	353.3	343.4	331.9
12.5°	471.9	470.4	462.0	456.5	442.3	429.6	409.8	394.0	374.2	358.0	342.6
15°	515.1	513.1	508.7	503.6	494.5	480.2	462.4	440.3	412.6	383.3	357.2
17.5°	522.6	523.0	520.2	519.0	513.1	504.0	489.7	473.1	445.4	413.0	377.4
20°	513.5	516.6	515.8	518.2	519.4	515.8	506.4	490.1	466.0	434.4	394.4
22.5°	502.4	505.2	504.4	508.7	515.5	519.0	515.8	502.8	478.3	443.1	403.9
25°	503.2	505.2	499.2	502.0	510.7	519.4	519.8	508.3	481.8	443.5	403.1
27.5°	520.6	514.7	501.2	500.0	510.7	521.8	522.6	508.3	476.7	435.1	395.2
30°	533.6	529.3	514.3	512.3	522.6	530.1	526.1	504.0	464.4	420.9	383.7
32.5°	527.3	528.1	521.8	528.1	541.6	544.7	528.1	493.7	447.4	407.1	370.3
35°	526.5	529.7	533.3	543.1	552.2	544.7	518.2	474.3	429.2	389.3	349.3
37.5°	531.3	536.4	541.6	550.3	550.3	530.9	492.1	449.8	407.5	363.9	305.8
40°	538.8	542.0	543.5	542.7	532.1	503.6	462.4	420.1	379.8	319.2	276.9
42.5°	528.9	528.5	526.9	520.2	500.4	463.2	424.9	390.4	326.8	288.0	239.7
45°	486.6	486.6	482.2	471.5	453.3	422.5	388.5	338.2	297.9	250.4	178.0
47.5°	368.3	365.5	370.3	376.6	376.6	373.8	343.0	299.5	258.3	180.8	57.0
50°	318.8	314.5	308.6	309.7	309.0	312.1	292.3	259.5	191.1	56.2	4.0
52.5°	180.4	188.3	207.7	235.0	247.2	251.6	239.3	197.4	64.5	3.6	3.2
55°	54.6	56.2	63.7	78.3	106.4	136.1	138.1	64.1	4.4	3.2	3.2
57.5°	2.4	2.4	3.2	4.7	11.1	16.6	17.8	4.0	2.8	3.2	3.2
60°	2.4	2.4	2.4	2.4	2.4	2.4	2.8	2.8	2.8	2.8	3.2
62.5°	2.0	2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.8	2.8	2.8
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4	2.8
67.5°	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0
72.5°	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	2.0
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6
77.5°	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9
2.5°	280.1	276.9	273.4	258.3	243.7	223.9	210.5	206.5
5°	297.1	291.9	284.0	255.5	221.1	182.0	150.3	138.9
7.5°	311.3	303.4	292.3	251.6	194.2	123.4	79.5	67.2
10°	321.6	311.7	297.5	244.5	158.6	68.0	26.9	20.2
12.5°	330.3	317.3	300.3	233.8	115.5	27.7	13.8	13.8
15°	336.2	320.4	301.4	218.8	74.8	14.6	13.1	13.1
17.5°	344.6	324.0	301.4	197.8	40.7	12.7	12.7	12.7
20°	358.0	327.5	297.1	171.3	22.5	11.9	12.3	12.3
22.5°	365.1	332.7	291.5	140.4	14.2	11.5	11.9	11.9
25°	366.7	331.9	279.7	110.8	11.5	11.1	11.5	11.9
27.5°	361.2	326.4	263.9	80.7	10.3	10.7	11.5	11.9
30°	351.3	312.9	238.5	54.6	9.5	10.7	11.5	11.9
32.5°	332.7	280.5	208.9	32.8	9.1	10.7	11.5	12.3
35°	291.2	246.5	174.8	14.2	8.7	10.7	11.9	12.3
37.5°	261.1	212.4	135.3	7.1	8.7	10.7	11.9	12.7
40°	227.9	170.9	62.5	6.3	8.7	10.7	11.9	12.7
42.5°	173.7	79.1	7.5	6.3	8.3	10.7	12.3	12.7
45°	63.3	8.3	4.0	5.9	8.3	10.7	12.3	13.1
47.5°	4.7	3.2	3.6	5.9	8.3	10.7	12.3	13.1
50°	3.2	3.2	3.6	5.9	8.3	10.7	12.3	13.1
52.5°	3.2	3.6	3.6	5.5	7.9	10.7	12.3	13.1
55°	3.2	3.6	3.6	5.5	7.9	10.3	12.3	13.1
57.5°	3.2	3.2	3.6	5.1	7.5	9.9	12.3	12.7
60°	3.2	3.2	3.6	4.7	7.1	9.5	11.5	12.3
62.5°	3.2	3.2	3.2	4.4	6.7	9.1	11.1	11.9
65°	2.8	2.8	3.2	4.0	5.9	8.3	10.3	11.1
67.5°	2.4	2.8	2.8	3.6	5.5	7.5	9.5	10.3
70°	2.4	2.4	2.4	3.2	4.7	6.7	8.7	9.1
72.5°	2.0	2.0	2.4	2.8	4.4	5.9	7.9	8.3
75°	1.6	2.0	2.0	2.4	3.6	5.1	6.7	7.1
77.5°	1.6	1.6	1.6	2.0	3.2	4.4	5.5	5.9
80°	1.2	1.2	1.2	1.6	2.4	3.6	4.4	4.7
82.5°	0.8	1.2	1.2	1.2	2.0	2.4	3.2	3.6
85°	0.8	0.8	0.8	0.8	1.2	1.6	2.0	2.4
87.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)