

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: P1319878

Luminaire Tested: LDSQA3D05R609840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R609840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

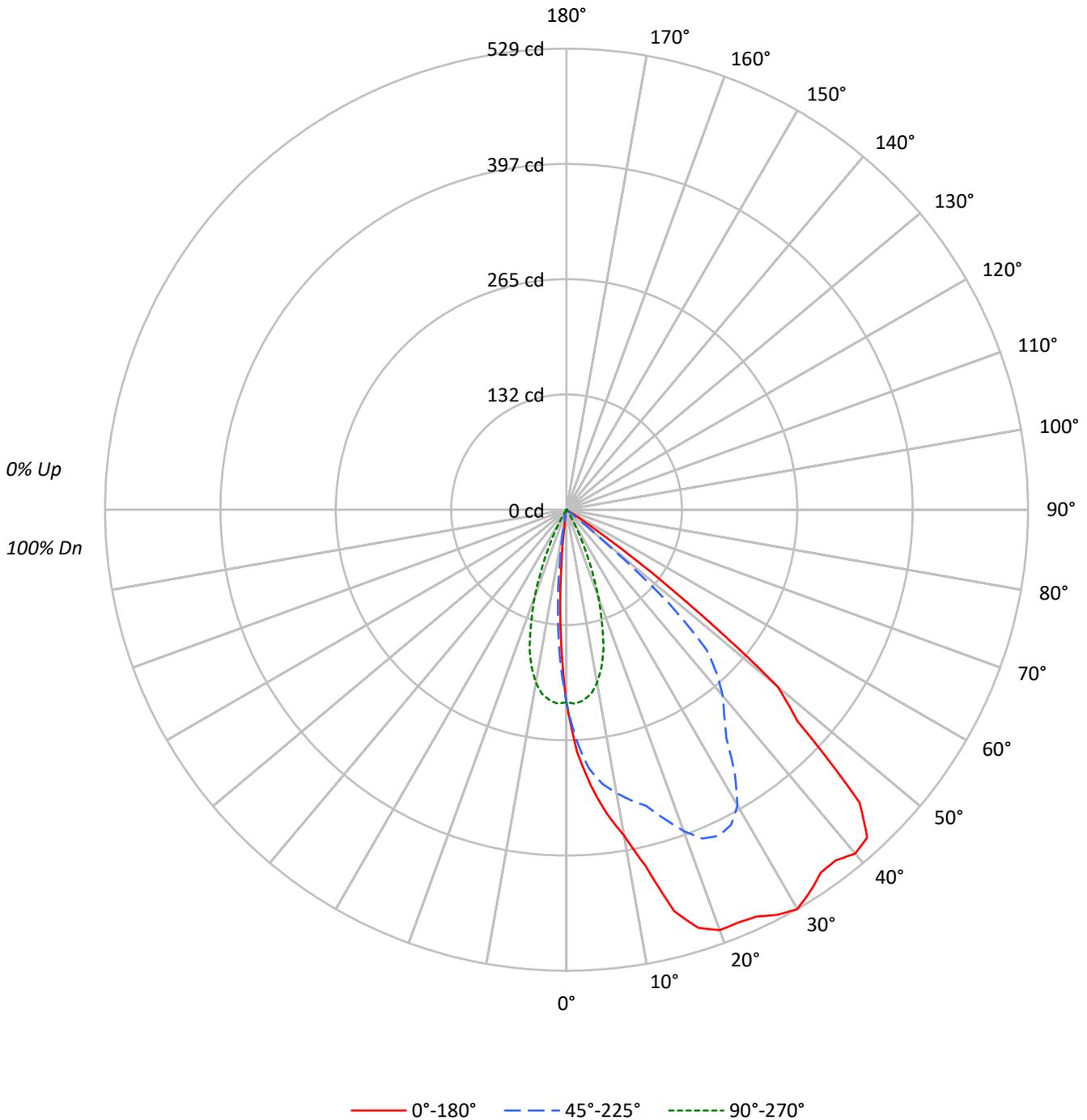
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 359.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	38044	38044	38044	38044	38044
5°	54838	51639	37982	19570	12568
10°	66332	57728	35256	2343	1382
15°	84995	62725	29223	1533	1266
20°	94075	71881	19592	861	147
25°	97845	78424	9634	76	0
30°	105200	77916	2665	0	0
35°	106847	67089	0	0	0
40°	115760	62568	0	0	0
45°	115642	55239	0	0	0
50°	84666	13370	0	0	0
55°	16514	0	0	0	0
60°	0	0	0	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	397	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 115837 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	5.3
10°-20°	54.0	15.0
20°-30°	86.1	24.0
30°-40°	99.5	27.7
40°-50°	79.0	22.0
50°-60°	20.8	5.8
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	159.1	44.3
0°-40°	258.6	72.0
0°-60°	358.4	99.8
0°-90°	359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	359.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	221	221	221	221	221	
5°	317	299	220	113	73	32
15°	477	352	164	9	7	133
25°	515	413	51	0	0	240
35°	508	319	0	0	0	323
45°	475	227	0	0	0	338
55°	55	0	0	0	0	83
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9
2.5°	277.9	280.6	279.4	278.3	275.5	274.3	274.3	271.2	266.1	265.3	261.8
5°	317.2	318.0	318.0	317.2	315.2	312.1	311.3	308.1	303.4	298.7	294.0
7.5°	351.4	351.0	348.6	347.0	343.5	339.2	335.2	330.9	323.9	317.6	310.9
10°	379.3	380.4	378.5	374.6	369.8	363.9	357.7	350.2	339.6	330.1	321.5
12.5°	418.6	418.2	413.1	406.4	395.0	384.0	374.2	365.9	352.9	341.5	330.9
15°	476.7	476.0	471.2	465.3	448.8	432.3	415.4	392.2	370.6	351.8	336.8
17.5°	503.1	504.6	500.7	497.6	488.1	477.1	462.2	439.0	405.6	371.4	340.0
20°	513.3	515.3	512.5	512.1	507.8	502.7	490.5	465.3	432.7	392.2	353.3
22.5°	512.9	514.5	513.3	518.4	523.5	520.8	505.8	480.7	447.3	408.4	364.3
25°	514.9	513.7	509.4	516.8	524.3	521.9	514.5	492.9	456.3	412.7	368.3
27.5°	523.9	515.3	506.6	516.0	519.6	520.4	516.0	490.5	454.7	408.0	360.4
30°	529.0	519.6	512.5	520.4	520.4	524.7	515.6	486.6	441.4	391.8	339.6
32.5°	519.6	517.6	523.9	531.8	533.7	533.7	513.7	473.6	419.0	358.8	306.2
35°	508.2	512.9	531.0	534.5	534.5	525.9	501.5	450.8	385.6	319.1	281.4
37.5°	507.0	514.5	534.5	530.2	523.1	507.0	471.6	411.1	338.0	296.7	262.9
40°	514.9	521.9	533.7	518.0	501.1	476.0	433.5	359.2	309.3	278.3	240.5
42.5°	510.1	516.8	517.2	494.0	470.1	435.9	379.7	317.2	288.5	254.7	215.0
45°	474.8	475.6	474.0	449.2	424.5	389.1	329.4	296.3	265.7	226.8	158.0
47.5°	358.8	357.3	363.2	356.1	357.3	336.0	299.1	272.0	235.4	159.2	47.9
50°	316.0	314.0	308.1	301.8	295.6	285.3	268.0	239.0	169.8	49.9	1.6
52.5°	169.4	178.8	197.3	225.6	236.2	235.4	222.5	176.9	53.5	0.4	0.0
55°	55.0	54.2	60.5	71.5	98.3	113.2	117.9	60.1	1.2	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	3.9	10.2	13.4	0.8	0.0	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9
2.5°	257.0	251.5	245.2	222.8	196.5	171.0	152.5	147.8
5°	286.5	277.1	263.7	219.7	162.3	113.2	81.0	72.7
7.5°	301.8	293.6	279.4	213.4	125.8	55.8	20.8	14.1
10°	311.3	301.4	285.7	201.6	82.1	13.4	7.5	7.9
12.5°	318.0	306.6	288.9	184.7	41.7	6.7	9.4	9.8
15°	320.7	308.5	288.5	163.9	14.9	8.6	8.3	7.1
17.5°	319.1	303.8	283.4	134.0	5.1	8.3	4.3	3.5
20°	317.2	299.9	275.1	106.9	4.3	4.7	1.6	0.8
22.5°	323.5	293.2	263.7	76.6	4.3	1.6	0.0	0.0
25°	324.2	290.4	249.2	50.7	2.0	0.4	0.0	0.0
27.5°	316.4	274.3	226.8	29.9	0.0	0.0	0.0	0.0
30°	291.2	254.3	202.8	13.4	0.0	0.0	0.0	0.0
32.5°	266.5	231.9	176.1	3.1	0.0	0.0	0.0	0.0
35°	246.8	208.7	146.6	0.0	0.0	0.0	0.0	0.0
37.5°	222.5	181.2	109.3	0.0	0.0	0.0	0.0	0.0
40°	196.9	146.2	54.6	0.0	0.0	0.0	0.0	0.0
42.5°	153.7	69.6	5.5	0.0	0.0	0.0	0.0	0.0
45°	59.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)