

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: P1316332

Luminaire Tested: LDSQA3D05R609740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316332
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: LDSQA3D05R609740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

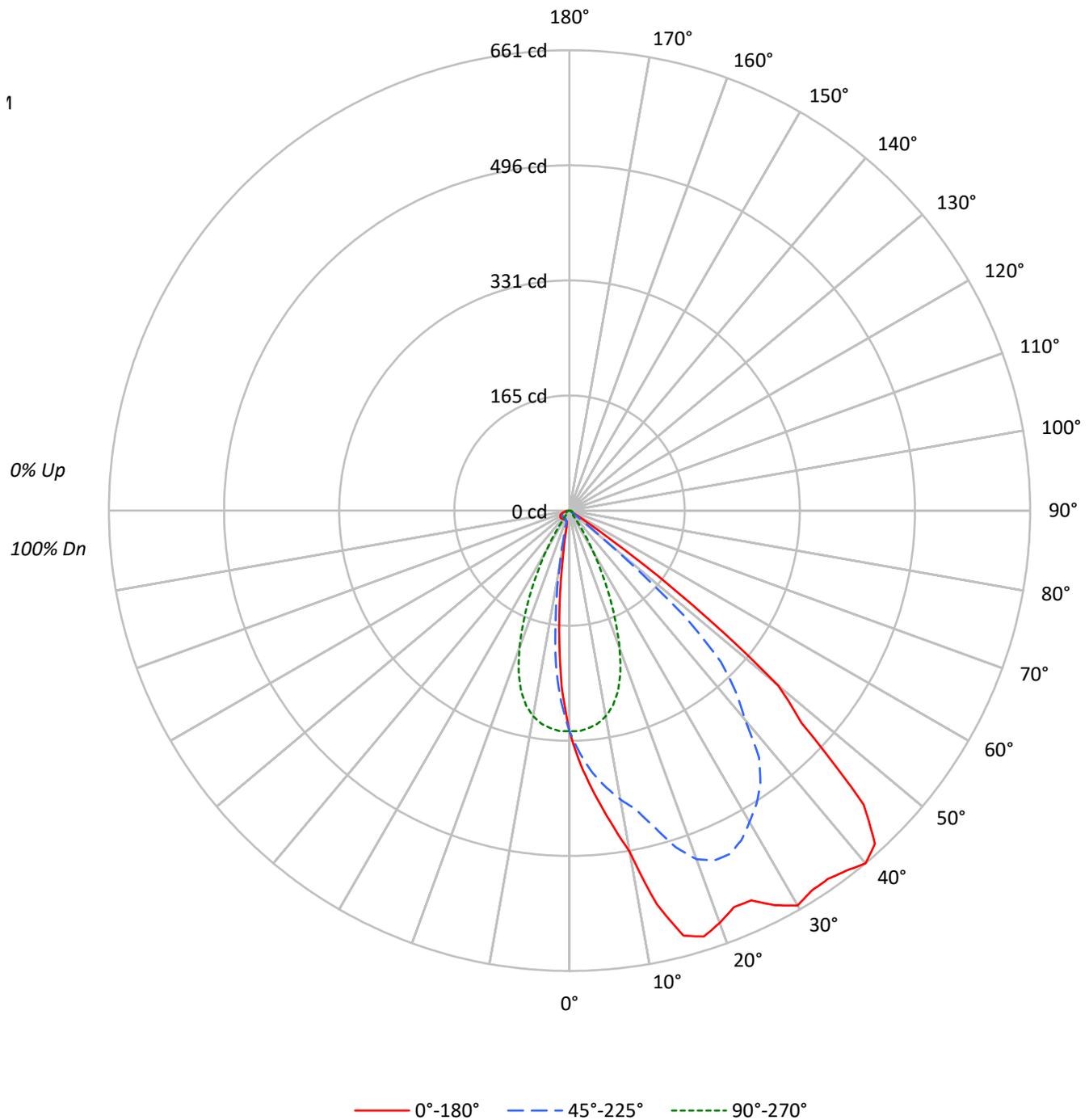
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 514.0 lumens
Efficiency: N/A
Efficacy: 71.4 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): 7.2
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: P1316332
CATALOG NUMBER: LDSQA3D05R609740DE010 3LSQCA30R 1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	54491	54491	54491	54491	54491
5°	70380	65349	54198	38587	29442
10°	86985	73659	52446	14602	4320
15°	112649	83836	47855	3209	2853
20°	115445	97649	38506	2676	2749
25°	117303	103375	25825	2584	2774
30°	130177	102674	13324	2605	2903
35°	135797	100392	3679	2754	3154
40°	148606	88040	1754	2945	3485
45°	145381	74822	1778	3191	3897
50°	104788	18460	1956	3510	4287
55°	20117	1171	2042	3783	4804
60°	999	1171	1998	3996	5167
65°	978	1182	1997	4157	5542
70°	957	1209	1964	4129	5640
75°	998	1264	1930	4192	5789
80°	496	1488	1884	4364	5752
85°	988	988	1976	3754	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 145381 cd/sqm



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CATALOG NUMBER: LDSQA3D05R609740DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	5.4
10°-20°	76.0	14.8
20°-30°	116.9	22.7
30°-40°	137.2	26.7
40°-50°	110.0	21.4
50°-60°	34.2	6.6
60°-70°	6.5	1.3
70°-80°	4.3	0.8
80°-90°	1.5	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°	220.4	42.9
0°-40°	357.6	69.6
0°-60°	501.8	97.6
0°-90°	514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	514.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	316	316	316	316	316	
5°	407	378	314	223	170	42
15°	632	470	268	18	16	173
25°	617	544	136	14	15	291
35°	646	478	18	13	15	409
45°	597	307	7	13	16	427
55°	67	4	7	13	16	106
65°	2	3	5	10	14	2
75°	2	2	3	6	9	1
85°	0	0	1	2	3	0
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D05R609740DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4
2.5°	364.9	361.0	361.0	359.6	358.1	358.6	354.7	356.2	352.3	349.4	347.0
5°	407.1	402.3	401.8	399.4	397.0	395.0	390.2	387.3	381.4	378.0	370.8
7.5°	450.8	446.9	444.5	441.6	437.2	432.4	424.1	418.8	409.6	400.4	391.1
10°	497.4	494.0	488.7	485.3	473.1	465.4	454.2	446.9	433.4	421.2	407.1
12.5°	578.9	577.0	566.8	560.0	542.5	527.0	502.8	483.3	459.1	439.2	420.3
15°	631.8	629.4	624.1	617.8	606.6	589.1	567.3	540.1	506.1	470.2	438.2
17.5°	641.1	641.5	638.1	636.7	629.4	618.2	600.8	580.4	546.4	506.6	463.0
20°	629.9	633.8	632.8	635.7	637.2	632.8	621.2	601.3	571.7	532.8	483.8
22.5°	616.3	619.7	618.7	624.1	632.3	636.7	632.8	616.8	586.7	543.5	495.5
25°	617.3	619.7	612.4	615.8	626.5	637.2	637.7	623.6	591.1	544.0	494.5
27.5°	638.6	631.3	614.8	613.4	626.5	640.1	641.1	623.6	584.8	533.8	484.8
30°	654.6	649.3	630.9	628.4	641.1	650.3	645.4	618.2	569.7	516.3	470.7
32.5°	646.9	647.8	640.1	647.8	664.3	668.2	647.8	605.6	548.9	499.4	454.2
35°	645.9	649.8	654.2	666.3	677.5	668.2	635.7	581.9	526.5	477.5	428.5
37.5°	651.7	658.0	664.3	675.0	675.0	651.2	603.7	551.8	499.8	446.5	375.1
40°	661.0	664.8	666.8	665.8	652.7	617.8	567.3	515.4	465.9	391.6	339.7
42.5°	648.8	648.3	646.4	638.1	613.9	568.3	521.2	479.0	400.8	353.3	294.1
45°	596.9	596.9	591.6	578.5	556.1	518.3	476.5	414.9	365.4	307.2	218.4
47.5°	451.8	448.4	454.2	462.0	462.0	458.6	420.7	367.4	316.9	221.8	69.9
50°	391.1	385.8	378.5	380.0	379.0	382.9	358.6	318.3	234.4	68.9	4.9
52.5°	221.3	231.0	254.8	288.3	303.3	308.6	293.6	242.2	79.1	4.4	3.9
55°	67.0	68.9	78.1	96.1	130.5	166.9	169.4	78.6	5.3	3.9	3.9
57.5°	2.9	2.9	3.9	5.8	13.6	20.4	21.8	4.9	3.4	3.9	3.9
60°	2.9	2.9	2.9	2.9	2.9	2.9	3.4	3.4	3.4	3.4	3.9
62.5°	2.4	2.4	2.9	2.9	2.9	2.9	2.9	2.9	3.4	3.4	3.4
65°	2.4	2.4	2.4	2.4	2.4	2.4	2.9	2.9	2.9	2.9	3.4
67.5°	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4	2.9	2.9	2.9
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4	2.4	2.4	2.4
72.5°	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	2.4
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9
77.5°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1316332

CATALOG NUMBER: LDSQA3D05R609740DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4
2.5°	343.6	339.7	335.3	316.9	298.9	274.7	258.2	253.3
5°	364.4	358.1	348.4	313.5	271.3	223.2	184.4	170.3
7.5°	381.9	372.2	358.6	308.6	238.3	151.4	97.5	82.5
10°	394.5	382.4	364.9	299.9	194.6	83.5	33.0	24.7
12.5°	405.2	389.2	368.3	286.8	141.7	34.0	17.0	17.0
15°	412.5	393.1	369.8	268.4	91.7	18.0	16.0	16.0
17.5°	422.7	397.4	369.8	242.6	50.0	15.5	15.5	15.5
20°	439.2	401.8	364.4	210.1	27.7	14.6	15.0	15.0
22.5°	447.9	408.1	357.7	172.3	17.5	14.1	14.6	14.6
25°	449.9	407.1	343.1	135.9	14.1	13.6	14.1	14.6
27.5°	443.1	400.4	323.7	99.0	12.6	13.1	14.1	14.6
30°	430.9	383.9	292.6	67.0	11.6	13.1	14.1	14.6
32.5°	408.1	344.1	256.2	40.3	11.2	13.1	14.1	15.0
35°	357.2	302.3	214.5	17.5	10.7	13.1	14.6	15.0
37.5°	320.3	260.6	166.0	8.7	10.7	13.1	14.6	15.5
40°	279.5	209.6	76.7	7.8	10.7	13.1	14.6	15.5
42.5°	213.0	97.1	9.2	7.8	10.2	13.1	15.0	15.5
45°	77.6	10.2	4.9	7.3	10.2	13.1	15.0	16.0
47.5°	5.8	3.9	4.4	7.3	10.2	13.1	15.0	16.0
50°	3.9	3.9	4.4	7.3	10.2	13.1	15.0	16.0
52.5°	3.9	4.4	4.4	6.8	9.7	13.1	15.0	16.0
55°	3.9	4.4	4.4	6.8	9.7	12.6	15.0	16.0
57.5°	3.9	3.9	4.4	6.3	9.2	12.1	15.0	15.5
60°	3.9	3.9	4.4	5.8	8.7	11.6	14.1	15.0
62.5°	3.9	3.9	3.9	5.3	8.2	11.2	13.6	14.6
65°	3.4	3.4	3.9	4.9	7.3	10.2	12.6	13.6
67.5°	2.9	3.4	3.4	4.4	6.8	9.2	11.6	12.6
70°	2.9	2.9	2.9	3.9	5.8	8.2	10.7	11.2
72.5°	2.4	2.4	2.9	3.4	5.3	7.3	9.7	10.2
75°	1.9	2.4	2.4	2.9	4.4	6.3	8.2	8.7
77.5°	1.9	1.9	1.9	2.4	3.9	5.3	6.8	7.3
80°	1.5	1.5	1.5	1.9	2.9	4.4	5.3	5.8
82.5°	1.0	1.5	1.5	1.5	2.4	2.9	3.9	4.4
85°	1.0	1.0	1.0	1.0	1.5	1.9	2.4	2.9
87.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)