

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: P1323529

Luminaire Tested: LDSQA3D02R609030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

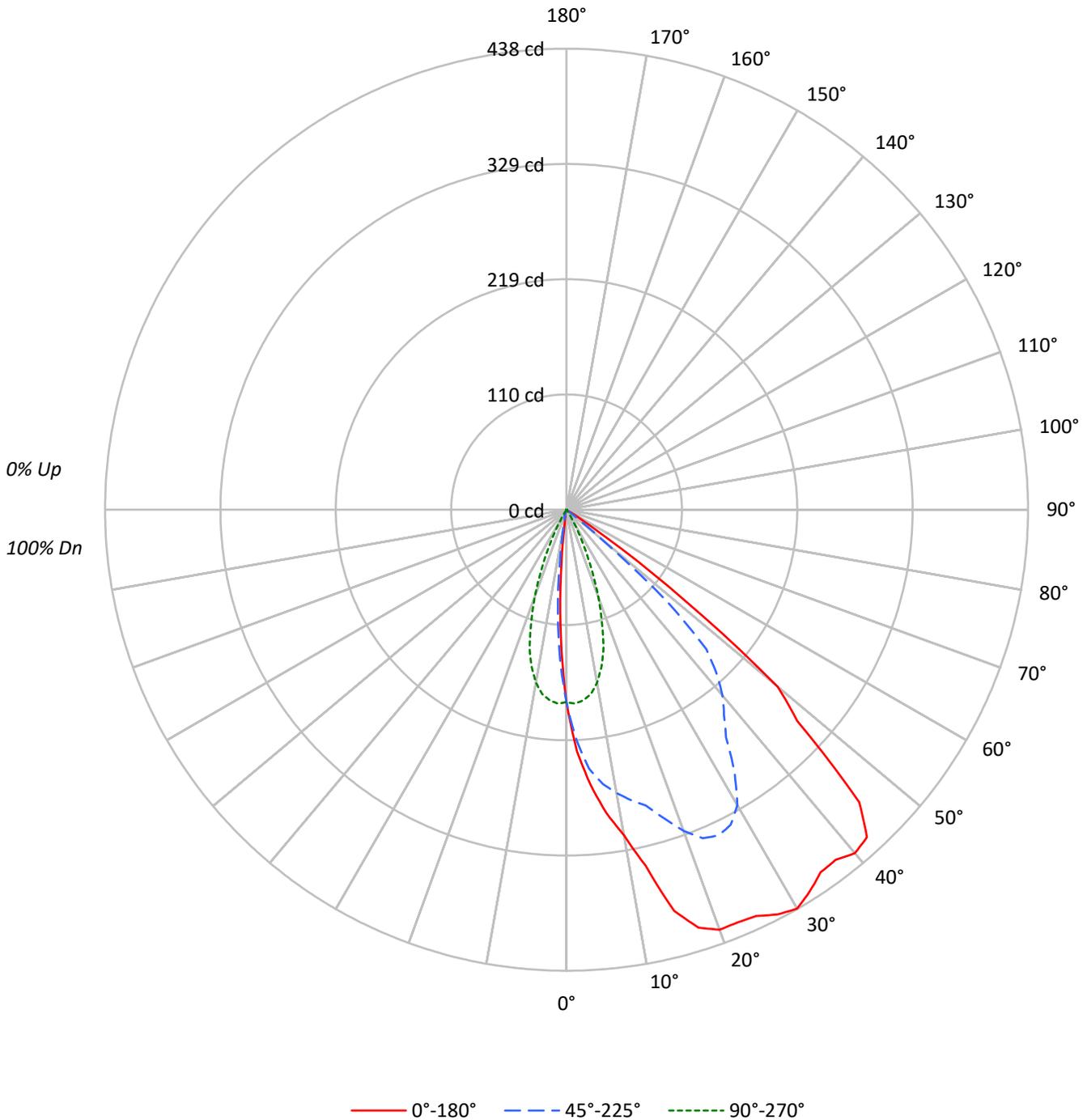
Test Method: LM-79-2019  
Report Number: P1323529  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R609030D2WDE010 3LSQCA30R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 297.0 lumens  
Efficiency: N/A  
Efficacy: 41.2 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 (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: P1323529  
CATALOG NUMBER: LDSQA3D02R609030D2WDE010 3LSQCA30R 1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1323529

CATALOG NUMBER: LDSQA3D02R609030D2WDE010 3LSQCA30R 1MMS

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	31465	31465	31465	31465	31465
5°	45364	42719	31430	16182	10407
10°	54877	47760	29170	1941	1137
15°	70321	51885	24177	1284	1052
20°	77819	59473	16202	715	128
25°	80932	64875	7962	57	0
30°	87024	64472	2207	0	0
35°	88387	55505	0	0	0
40°	95751	51754	0	0	0
45°	95670	45692	0	0	0
50°	70037	11066	0	0	0
55°	13662	0	0	0	0
60°	0	0	0	0	0
65°	0	122	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	298	298	0
85°	0	593	593	593	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 95816 cd/sqm



TEST NUMBER: P1323529

CATALOG NUMBER: LDSQA3D02R609030D2WDE010 3LSQCA30R 1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.7	5.3
10°-20°	44.7	15.1
20°-30°	71.2	24.0
30°-40°	82.3	27.7
40°-50°	65.4	22.0
50°-60°	17.2	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°	131.6	44.3
0°-40°	213.9	72.0
0°-60°	296.5	99.8
0°-90°	297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	183	183	183	183	183	
5°	262	247	182	94	60	27
15°	394	291	136	7	6	110
25°	426	341	42	0	0	199
35°	420	264	0	0	0	267
45°	393	188	0	0	0	280
55°	46	0	0	0	0	69
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	



TEST NUMBER: P1323529

CATALOG NUMBER: LDSQA3D02R609030D2WDE010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	182.7	182.7	182.7	182.7	182.7	182.7	182.7	182.7	182.7	182.7	182.7
2.5°	229.9	232.2	231.2	230.2	227.9	227.0	227.0	224.4	220.1	219.5	216.5
5°	262.4	263.0	263.0	262.4	260.8	258.2	257.5	254.9	251.0	247.1	243.2
7.5°	290.7	290.4	288.4	287.1	284.2	280.6	277.4	273.8	267.9	262.7	257.2
10°	313.8	314.7	313.1	309.9	306.0	301.1	295.9	289.7	280.9	273.1	266.0
12.5°	346.3	346.0	341.7	336.2	326.8	317.7	309.5	302.7	292.0	282.6	273.8
15°	394.4	393.8	389.9	385.0	371.3	357.7	343.7	324.5	306.6	291.0	278.7
17.5°	416.2	417.5	414.2	411.6	403.8	394.7	382.4	363.2	335.6	307.3	281.3
20°	424.6	426.3	424.0	423.7	420.1	415.9	405.8	385.0	358.0	324.5	292.3
22.5°	424.3	425.6	424.6	428.9	433.1	430.8	418.5	397.7	370.0	337.8	301.4
25°	425.9	425.0	421.4	427.6	433.7	431.8	425.6	407.7	377.5	341.4	304.7
27.5°	433.4	426.3	419.1	426.9	429.8	430.5	426.9	405.8	376.2	337.5	298.2
30°	437.6	429.8	424.0	430.5	430.5	434.1	426.6	402.5	365.1	324.2	280.9
32.5°	429.8	428.2	433.4	439.9	441.6	441.6	425.0	391.8	346.6	296.9	253.3
35°	420.4	424.3	439.3	442.2	442.2	435.0	414.9	372.9	319.0	264.0	232.8
37.5°	419.4	425.6	442.2	438.6	432.8	419.4	390.2	340.1	279.6	245.5	217.5
40°	425.9	431.8	441.6	428.5	414.6	393.8	358.6	297.2	255.9	230.2	199.0
42.5°	422.0	427.6	427.9	408.7	388.9	360.6	314.1	262.4	238.7	210.7	177.9
45°	392.8	393.4	392.1	371.6	351.2	321.9	272.5	245.2	219.8	187.6	130.7
47.5°	296.9	295.6	300.4	294.6	295.6	278.0	247.4	225.0	194.8	131.7	39.7
50°	261.4	259.8	254.9	249.7	244.5	236.1	221.8	197.7	140.5	41.3	1.3
52.5°	140.1	147.9	163.2	186.6	195.4	194.8	184.0	146.3	44.2	0.3	0.0
55°	45.5	44.9	50.1	59.2	81.3	93.6	97.5	49.7	1.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.0	3.3	8.5	11.1	0.7	0.0	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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: P1323529

CATALOG NUMBER: LDSQA3D02R609030D2WDE010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	182.7	182.7	182.7	182.7	182.7	182.7	182.7	182.7
2.5°	212.6	208.1	202.9	184.4	162.6	141.4	126.2	122.3
5°	237.0	229.2	218.2	181.8	134.3	93.6	67.0	60.2
7.5°	249.7	242.9	231.2	176.6	104.0	46.2	17.2	11.7
10°	257.5	249.4	236.4	166.8	68.0	11.1	6.2	6.5
12.5°	263.0	253.6	239.0	152.8	34.5	5.5	7.8	8.1
15°	265.3	255.2	238.7	135.6	12.4	7.2	6.8	5.9
17.5°	264.0	251.3	234.4	110.9	4.2	6.8	3.6	2.9
20°	262.4	248.1	227.6	88.4	3.6	3.9	1.3	0.7
22.5°	267.6	242.6	218.2	63.4	3.6	1.3	0.0	0.0
25°	268.2	240.3	206.1	41.9	1.6	0.3	0.0	0.0
27.5°	261.7	227.0	187.6	24.7	0.0	0.0	0.0	0.0
30°	240.9	210.4	167.8	11.1	0.0	0.0	0.0	0.0
32.5°	220.5	191.8	145.7	2.6	0.0	0.0	0.0	0.0
35°	204.2	172.7	121.3	0.0	0.0	0.0	0.0	0.0
37.5°	184.0	149.9	90.4	0.0	0.0	0.0	0.0	0.0
40°	162.9	121.0	45.2	0.0	0.0	0.0	0.0	0.0
42.5°	127.1	57.6	4.6	0.0	0.0	0.0	0.0	0.0
45°	48.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.6	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°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
77.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)