

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: P1308824

Luminaire Tested: LDSQA3D02R659030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308824  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R659030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

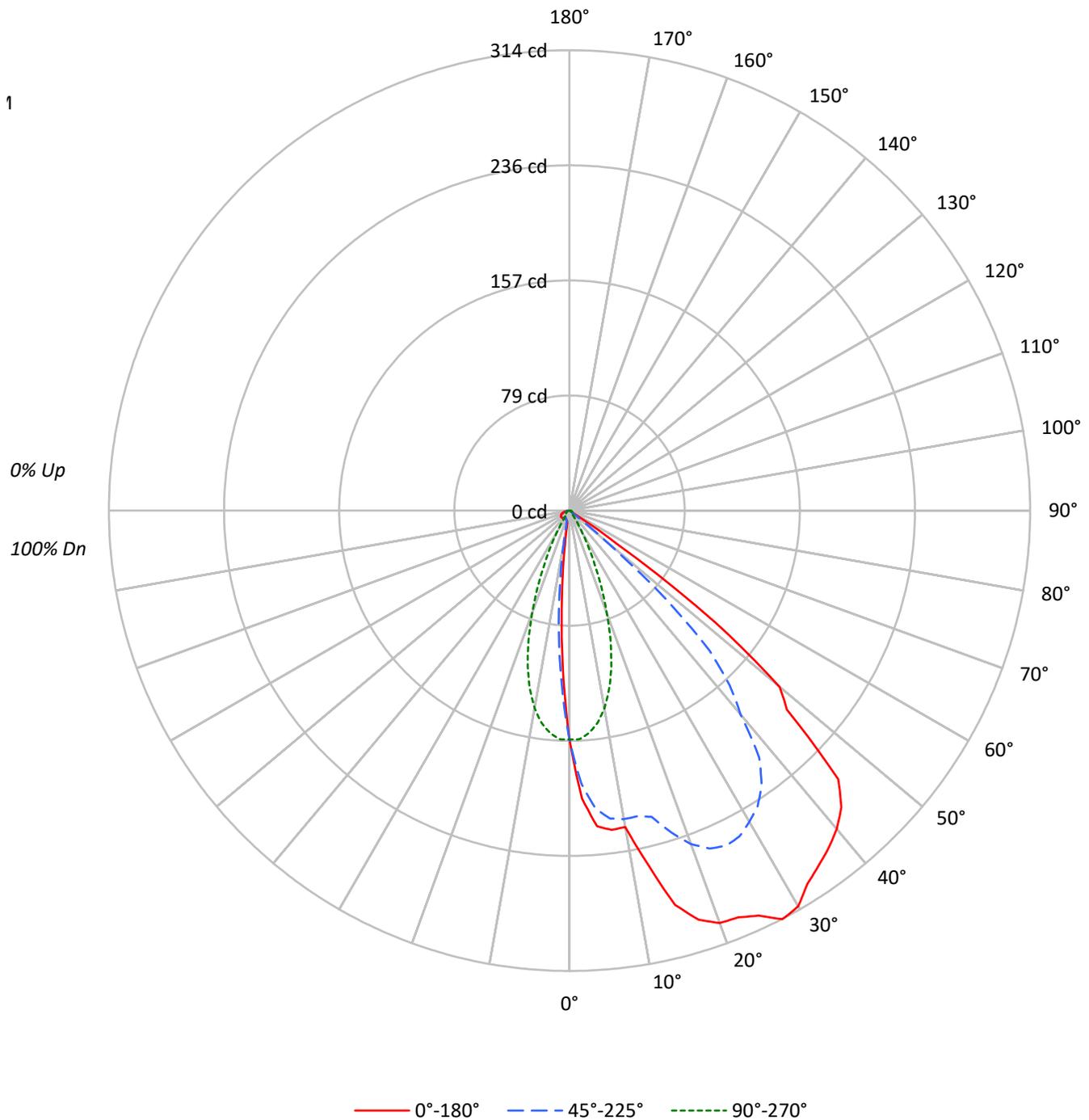
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 234.0 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	103	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36	

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

	0°	45°	90°	135°	180°
0°	26884	26884	26884	26884	26884
5°	37377	35268	26312	14470	10165
10°	38316	37372	23941	4040	1486
15°	49638	38548	19595	1302	1266
20°	54854	44353	13636	1155	1210
25°	57901	47925	7715	1102	1197
30°	61986	48742	3480	1114	1253
35°	62212	47999	1114	1177	1388
40°	63737	40782	764	1259	1529
45°	63131	32881	779	1364	1656
50°	50103	7743	777	1500	1902
55°	11890	450	811	1681	2132
60°	413	517	930	1757	2273
65°	489	489	897	1875	2486
70°	352	504	856	1813	2568
75°	333	466	799	1930	2595
80°	198	496	992	1884	2678
85°	395	988	988	1976	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 63252 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.0	5.6
10°-20°	34.3	14.7
20°-30°	53.9	23.0
30°-40°	61.7	26.3
40°-50°	49.6	21.2
50°-60°	16.1	6.9
60°-70°	2.9	1.2
70°-80°	1.9	0.8
80°-90°	0.7	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°	101.2	43.3
0°-40°	162.9	69.6
0°-60°	228.6	97.7
0°-90°	234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	234.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	156	156	156	156	156	
5°	216	204	152	84	59	20
15°	278	216	110	7	7	78
25°	305	252	41	6	6	142
35°	296	228	5	6	7	186
45°	259	135	3	6	7	187
55°	40	2	3	6	7	57
65°	1	1	2	5	6	1
75°	0	1	1	3	4	1
85°	0	0	0	1	1	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°	156.1	156.1	156.1	156.1	156.1	156.1	156.1	156.1	156.1	156.1	156.1
2.5°	196.5	195.8	196.7	195.0	194.8	193.1	192.1	191.6	189.4	186.5	183.8
5°	216.2	213.3	214.0	213.7	212.5	211.8	210.8	209.6	206.7	204.0	200.6
7.5°	219.6	217.2	217.6	217.9	217.2	216.9	216.7	216.2	214.2	211.8	208.9
10°	219.1	216.7	216.4	215.7	215.0	215.2	215.2	215.2	214.7	213.7	212.8
12.5°	247.3	243.9	243.2	238.1	233.4	225.4	220.3	215.5	213.3	213.5	212.8
15°	278.4	278.2	275.8	270.9	263.1	255.8	244.1	235.4	224.2	216.2	212.8
17.5°	292.5	292.3	290.1	286.0	280.4	273.6	265.1	254.8	242.4	230.0	219.8
20°	299.3	301.0	298.6	295.2	289.9	283.5	275.5	266.3	254.6	242.0	229.8
22.5°	300.3	302.5	300.3	297.9	294.0	289.9	283.1	273.6	261.7	249.5	237.6
25°	304.7	305.4	300.8	297.6	294.0	291.1	285.7	277.5	265.3	252.2	240.5
27.5°	314.2	311.0	301.3	296.9	293.5	290.8	285.7	277.2	264.1	250.7	238.6
30°	311.7	310.5	302.0	297.9	295.0	292.3	286.0	275.0	259.2	245.1	232.5
32.5°	301.8	304.2	301.3	299.8	298.4	295.0	285.7	270.9	253.1	238.8	221.8
35°	295.9	298.9	299.1	299.1	297.4	292.3	281.4	264.8	247.1	228.3	205.5
37.5°	290.1	292.5	294.0	295.0	292.5	285.2	271.4	256.5	237.1	212.5	172.4
40°	283.5	285.2	286.5	286.9	283.3	273.8	261.2	244.4	222.5	181.4	153.9
42.5°	274.3	275.3	275.0	274.8	270.9	260.4	248.5	231.0	187.7	161.7	128.4
45°	259.2	258.3	259.7	259.7	254.6	246.8	231.0	197.0	168.0	135.0	82.7
47.5°	200.9	201.6	208.6	220.1	227.1	224.9	203.5	172.4	141.3	88.5	27.5
50°	187.0	186.3	186.5	187.7	188.5	182.4	167.1	145.7	93.4	28.9	1.9
52.5°	125.5	126.2	131.8	144.7	148.8	144.4	129.9	97.3	34.0	1.9	1.7
55°	39.6	42.3	45.5	52.3	64.2	71.7	70.3	34.5	2.2	1.5	1.7
57.5°	1.5	1.5	1.9	3.4	6.6	10.7	11.2	2.2	1.7	1.7	1.7
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2
70°	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0
75°	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7
80°	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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°	156.1	156.1	156.1	156.1	156.1	156.1	156.1	156.1
2.5°	182.4	179.5	173.6	156.1	137.9	119.6	108.2	105.3
5°	196.7	193.3	185.1	152.2	115.3	83.7	65.7	58.8
7.5°	205.5	201.3	191.6	146.1	89.7	48.6	29.2	23.3
10°	209.4	205.7	194.8	136.9	64.9	23.1	10.2	8.5
12.5°	211.1	208.2	196.0	124.7	42.3	10.2	7.5	7.3
15°	211.8	208.6	195.5	109.9	24.1	7.3	7.1	7.1
17.5°	212.5	208.9	192.6	92.9	13.4	6.8	6.6	6.8
20°	218.4	207.9	187.5	74.4	8.8	6.3	6.3	6.6
22.5°	224.2	207.7	178.5	56.9	6.8	6.1	6.3	6.3
25°	226.2	205.2	167.1	40.6	5.8	5.8	6.1	6.3
27.5°	222.5	198.2	151.7	27.5	5.1	5.8	6.1	6.3
30°	214.0	186.3	133.3	17.5	4.9	5.6	6.1	6.3
32.5°	198.2	162.7	112.6	10.5	4.6	5.6	6.3	6.3
35°	166.6	136.4	89.2	5.3	4.6	5.6	6.3	6.6
37.5°	145.7	113.8	62.3	3.6	4.6	5.6	6.3	6.6
40°	120.9	82.2	26.0	3.4	4.6	5.6	6.3	6.8
42.5°	83.7	35.7	4.1	3.2	4.4	5.6	6.6	6.8
45°	30.2	4.6	1.9	3.2	4.4	5.6	6.6	6.8
47.5°	2.7	1.7	1.9	3.2	4.4	5.6	6.6	7.1
50°	1.7	1.7	1.7	2.9	4.4	5.6	6.6	7.1
52.5°	1.7	1.7	1.7	2.9	4.1	5.6	6.8	7.1
55°	1.7	1.7	1.7	2.7	4.1	5.6	6.6	7.1
57.5°	1.7	1.7	1.9	2.7	4.1	5.3	6.6	6.8
60°	1.7	1.7	1.7	2.7	3.9	5.1	6.3	6.6
62.5°	1.5	1.7	1.7	2.4	3.6	4.9	6.1	6.3
65°	1.5	1.5	1.7	2.2	3.4	4.6	5.6	6.1
67.5°	1.2	1.5	1.5	1.9	2.9	4.1	5.1	5.6
70°	1.2	1.2	1.2	1.7	2.7	3.6	4.9	5.1
72.5°	1.0	1.2	1.2	1.5	2.2	3.2	4.1	4.6
75°	1.0	1.0	1.0	1.2	1.9	2.9	3.6	3.9
77.5°	0.7	0.7	1.0	1.0	1.7	2.2	3.2	3.4
80°	0.7	0.7	0.7	1.0	1.2	1.9	2.4	2.7
82.5°	0.5	0.5	0.5	0.7	1.0	1.2	1.7	1.9
85°	0.5	0.5	0.5	0.5	0.7	1.0	1.2	1.2
87.5°	0.2	0.2	0.2	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

(END OF REPORT)