

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: P1319745

Luminaire Tested: LDSQA3D02R709840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

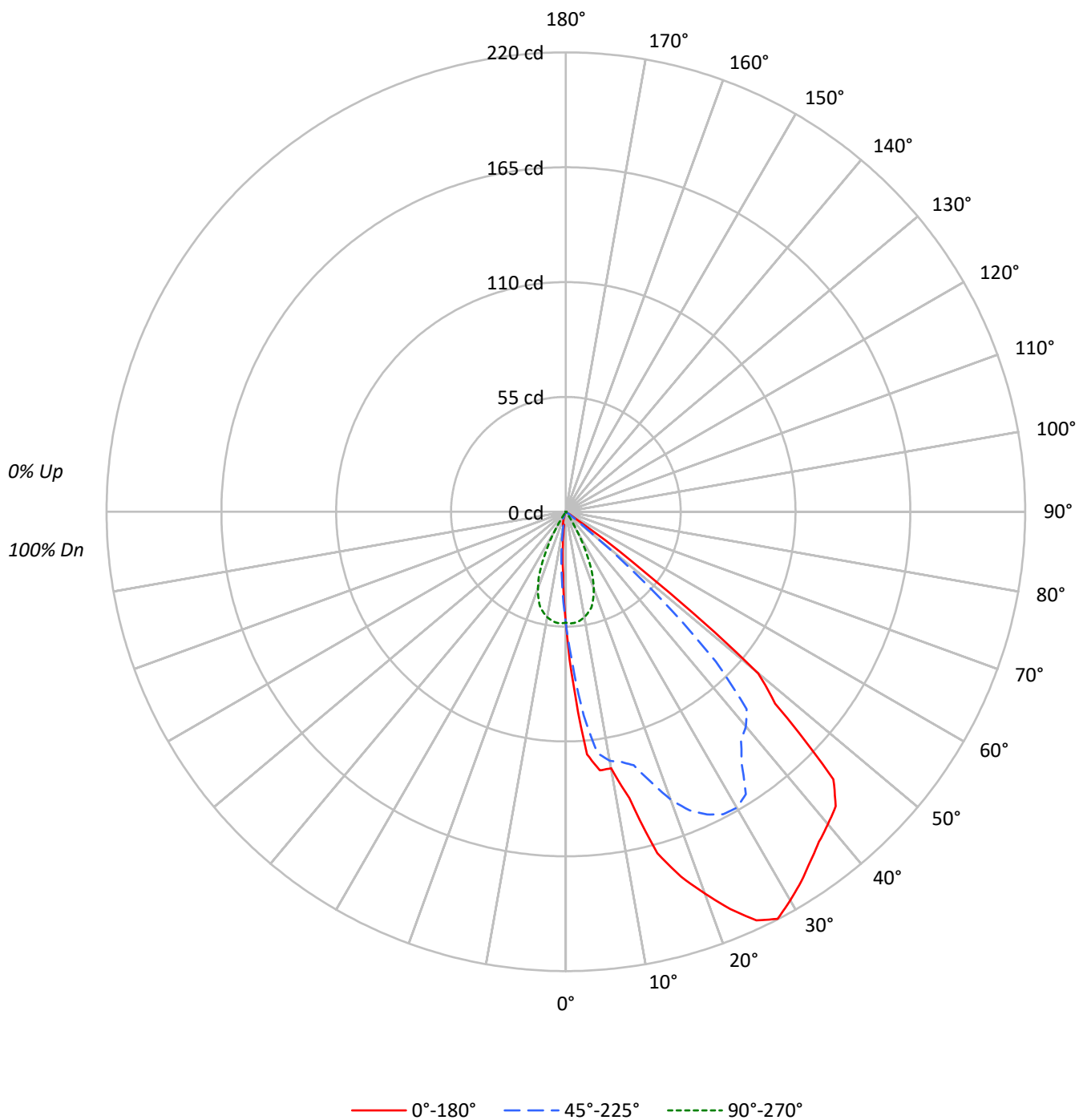
Lumens per Lamp: N/A
Luminaire Lumens: 143.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (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			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		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9145	9145	9145	9145	9145
5°	20158	16925	9215	4184	2749
10°	21807	21178	8971	1172	1207
15°	30186	22412	8451	1195	856
20°	35647	26850	7166	696	257
25°	41027	30404	5055	114	0
30°	42736	32554	2327	0	0
35°	42932	30843	126	0	0
40°	43907	30171	0	0	0
45°	44133	24721	0	0	0
50°	32232	5144	0	0	0
55°	1832	0	0	0	0
60°	0	69	69	0	0
65°	0	0	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	198	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 44961 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	4.1
10°-20°	19.4	13.6
20°-30°	34.8	24.4
30°-40°	42.4	29.6
40°-50°	32.7	22.9
50°-60°	7.6	5.3
60°-70°	0.0	0.0
70°-80°	0.1	0.1
80°-90°	0.1	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°	60.0	42.0
0°-40°	102.4	71.6
0°-60°	142.7	99.8
0°-90°	143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	143.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	53	53	53	53	53	
5°	117	98	53	24	16	11
15°	169	126	47	7	5	47
25°	216	160	27	1	0	98
35°	204	147	1	0	0	128
45°	181	102	0	0	0	128
55°	6	0	0	0	0	25
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	82.7	82.7	83.1	82.9	81.1	80.3	77.7	76.3	75.9	72.6	71.4
5°	116.6	116.8	115.8	115.6	113.6	112.2	110.0	106.5	103.1	97.9	93.2
7.5°	124.9	124.7	124.5	124.5	124.1	123.3	122.3	121.3	119.9	116.6	113.0
10°	124.7	124.7	124.5	124.5	124.3	124.5	124.3	123.7	123.1	121.1	119.1
12.5°	140.4	139.2	137.6	135.2	131.2	128.1	124.7	123.7	123.3	122.7	121.5
15°	169.3	168.3	164.9	160.6	156.6	149.7	144.3	136.8	131.0	125.7	123.1
17.5°	183.2	183.8	180.0	177.4	173.5	168.1	161.6	154.0	145.7	135.8	127.9
20°	194.5	195.1	191.9	189.3	184.8	179.2	173.5	165.3	157.4	146.5	136.2
22.5°	206.0	206.4	203.4	199.6	194.5	188.7	181.4	172.9	164.5	154.8	143.9
25°	215.9	215.5	210.5	205.0	200.2	193.9	186.9	178.6	170.5	160.0	149.7
27.5°	219.8	219.6	213.9	208.7	203.0	194.5	188.3	181.0	172.5	163.3	152.8
30°	214.9	218.1	214.5	210.7	203.8	195.3	189.3	180.6	172.7	163.7	151.8
32.5°	209.9	213.9	212.7	210.9	202.8	196.1	188.3	180.2	170.9	160.4	142.3
35°	204.2	208.5	208.7	206.6	199.4	192.7	185.5	177.0	166.5	146.7	133.4
37.5°	199.2	203.2	204.4	200.2	194.5	185.7	179.0	170.1	151.1	137.8	131.0
40°	195.3	198.4	200.2	193.5	187.9	179.2	171.5	156.0	138.8	134.2	124.5
42.5°	191.3	194.1	194.9	187.7	179.0	170.7	159.6	140.0	135.0	128.1	102.1
45°	181.2	184.6	182.6	175.6	169.1	160.4	143.9	135.4	130.0	101.5	62.8
47.5°	136.0	139.8	145.3	147.3	149.5	143.3	134.2	131.2	106.7	61.5	19.6
50°	120.3	119.7	119.7	120.7	122.5	124.5	127.1	110.6	64.2	19.2	0.0
52.5°	49.0	51.5	63.4	74.1	86.4	98.7	102.5	67.8	25.0	0.4	0.0
55°	6.1	6.1	8.5	14.5	24.0	38.7	43.6	21.8	1.8	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	1.6	4.4	3.0	0.8	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	69.4	67.0	63.6	53.5	44.8	37.1	32.7	30.5
5°	88.8	82.9	75.1	53.3	36.3	24.2	18.2	15.9
7.5°	107.4	100.7	87.4	52.5	27.8	14.1	7.9	6.3
10°	115.4	110.6	98.7	51.3	20.2	6.7	6.7	6.9
12.5°	118.7	115.0	105.3	49.4	13.3	6.5	6.9	6.5
15°	120.9	117.4	108.6	47.4	7.7	6.7	5.4	4.8
17.5°	122.1	118.1	109.6	43.6	5.0	5.7	3.4	2.8
20°	125.9	119.5	110.4	39.1	4.8	3.8	1.8	1.4
22.5°	132.4	122.3	110.6	33.7	3.8	2.2	0.6	0.0
25°	138.2	126.1	111.2	26.6	1.2	0.6	0.0	0.0
27.5°	141.1	127.3	111.0	18.8	0.0	0.0	0.0	0.0
30°	137.6	124.3	109.2	11.7	0.0	0.0	0.0	0.0
32.5°	129.6	122.1	103.5	5.0	0.0	0.0	0.0	0.0
35°	126.9	117.2	90.6	0.6	0.0	0.0	0.0	0.0
37.5°	121.1	103.3	66.6	0.0	0.0	0.0	0.0	0.0
40°	104.1	74.7	31.7	0.0	0.0	0.0	0.0	0.0
42.5°	68.8	31.9	1.8	0.0	0.0	0.0	0.0	0.0
45°	24.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.4	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°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
77.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)