

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: P1316512

Luminaire Tested: LDSQA3D09R709740DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709740DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

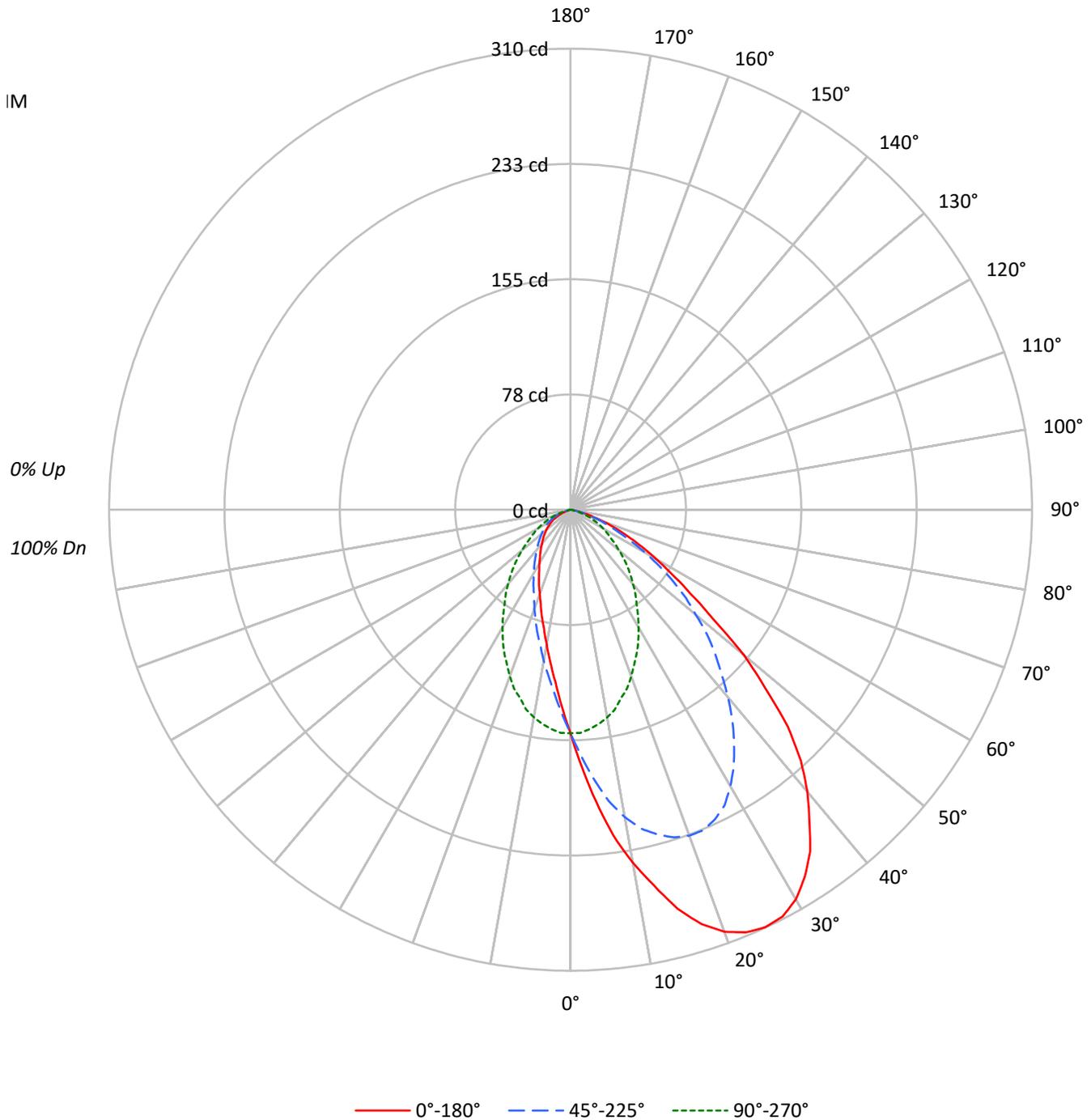
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 337.0 lumens
Efficiency: N/A
Efficacy: 30.4 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25868	25868	25868	25868	25868
5°	34057	31482	25604	21437	20089
10°	42146	36690	24780	18100	16106
15°	49531	40313	23375	15298	13265
20°	55331	42740	21828	12994	11033
25°	58851	43630	20067	11174	9558
30°	60177	42696	18176	9725	8313
35°	58995	40241	16231	8788	7443
40°	55598	36961	14658	7959	6700
45°	50222	33489	13128	7258	6211
50°	40645	29419	11387	6832	5707
55°	29576	25312	9789	6396	5104
60°	22940	20012	8783	5856	4650
65°	17319	14426	7213	5216	3464
70°	12135	10373	5338	3928	2165
75°	7053	6122	2861	1863	466
80°	1389	2083	694	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 50222 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	4.4
10°-20°	43.8	13.0
20°-30°	66.0	19.6
30°-40°	73.4	21.8
40°-50°	65.0	19.3
50°-60°	44.1	13.1
60°-70°	23.2	6.9
70°-80°	6.6	1.9
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°	124.5	36.9
0°-40°	197.9	58.7
0°-60°	307.1	91.1
0°-90°	337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	337.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	150	150	150	150	150	
5°	197	182	148	124	116	20
15°	278	226	131	86	74	79
25°	310	230	106	59	50	142
35°	281	191	77	42	35	174
45°	206	138	54	30	26	156
55°	98	84	33	21	17	91
65°	42	35	18	13	8	43
75°	11	9	4	3	1	12
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°	150.2	150.2	150.2	150.2	150.2	150.2	150.2	150.2	150.2	150.2	150.2
2.5°	172.9	172.2	171.5	171.5	170.8	170.1	168.7	168.7	167.3	165.8	164.4
5°	197.0	197.0	197.0	194.9	194.9	192.1	190.6	187.8	185.0	182.1	178.6
7.5°	221.1	221.1	219.0	218.3	216.2	213.3	211.2	206.9	202.0	197.7	192.1
10°	241.0	241.0	238.8	237.4	233.2	230.3	226.1	221.1	216.2	209.8	202.7
12.5°	258.7	259.4	256.6	253.7	249.5	245.2	239.5	233.2	226.8	219.7	210.5
15°	277.8	277.1	273.6	270.0	265.1	258.7	251.6	243.1	234.6	226.1	216.2
17.5°	292.0	291.3	287.7	283.5	277.1	269.3	261.5	251.6	241.7	231.0	219.0
20°	301.9	301.2	297.7	292.0	285.6	277.1	267.9	256.6	245.9	233.2	219.7
22.5°	307.6	306.9	302.6	297.7	289.9	280.6	270.7	258.7	246.6	233.2	218.3
25°	309.7	308.3	304.0	298.4	290.6	280.6	269.3	256.6	243.8	229.6	214.0
27.5°	308.3	306.9	301.9	295.5	287.0	275.7	264.3	251.6	238.1	224.0	207.7
30°	302.6	300.5	296.2	289.9	280.6	269.3	257.3	243.8	229.6	214.7	198.4
32.5°	292.7	291.3	287.0	279.9	270.7	259.4	247.3	233.2	219.0	204.1	187.8
35°	280.6	277.8	273.6	267.2	258.0	246.6	234.6	219.7	206.2	191.4	175.8
37.5°	263.6	262.9	258.0	253.0	243.8	231.7	220.4	206.2	192.8	178.6	163.0
40°	247.3	245.9	241.7	236.0	226.8	216.2	204.1	191.4	177.9	164.4	150.2
42.5°	228.9	226.8	224.0	218.3	209.8	199.1	187.8	175.1	163.0	150.2	137.5
45°	206.2	205.5	202.0	199.1	191.4	182.1	170.8	159.5	147.4	137.5	127.6
47.5°	177.2	176.5	175.8	173.6	169.4	163.0	154.5	143.9	134.7	124.7	111.3
50°	151.7	151.0	149.5	148.8	145.3	141.7	135.4	129.0	121.2	109.8	99.2
52.5°	120.5	121.2	123.3	124.0	123.3	120.5	117.6	115.5	104.9	97.8	87.9
55°	98.5	98.5	97.8	98.5	99.2	100.6	100.6	97.8	90.7	84.3	75.8
57.5°	80.8	80.8	80.8	80.8	80.8	81.5	81.5	80.8	77.2	70.9	63.1
60°	66.6	65.9	65.9	66.6	65.9	65.9	66.6	66.6	63.1	58.1	51.0
62.5°	53.9	53.9	53.9	53.2	53.2	53.9	53.9	53.2	50.3	45.4	40.4
65°	42.5	42.5	42.5	42.5	42.5	43.2	42.5	41.8	39.0	35.4	31.9
67.5°	32.6	32.6	33.3	32.6	33.3	33.3	33.3	31.9	29.8	26.9	24.8
70°	24.1	24.1	24.1	24.8	25.5	25.5	24.8	23.4	22.0	20.6	18.4
72.5°	16.3	17.0	17.0	17.0	17.7	17.7	17.0	16.3	15.6	14.2	13.5
75°	10.6	9.9	10.6	10.6	11.3	11.3	10.6	10.6	9.9	9.2	8.5
77.5°	5.0	5.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.0	5.0
80°	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	150.2	150.2	150.2	150.2	150.2	150.2	150.2	150.2
2.5°	163.0	160.9	158.0	150.2	143.2	136.8	133.2	132.5
5°	174.3	171.5	164.4	148.1	134.7	124.0	117.6	116.2
7.5°	186.4	180.7	170.8	145.3	126.1	112.7	105.6	103.5
10°	195.6	188.5	175.1	141.7	117.6	103.5	95.0	92.1
12.5°	202.0	193.5	178.6	137.5	110.6	93.5	85.0	82.2
15°	205.5	196.3	179.3	131.1	102.1	85.8	76.5	74.4
17.5°	206.9	196.3	177.9	126.1	94.3	78.0	69.5	66.6
20°	206.2	193.5	174.3	119.1	87.2	70.9	62.4	60.2
22.5°	203.4	189.2	168.7	112.0	80.1	63.8	56.7	55.3
25°	199.1	183.6	162.3	105.6	73.7	58.8	51.7	50.3
27.5°	192.1	176.5	153.8	98.5	68.0	53.9	47.5	45.4
30°	182.8	168.0	145.3	91.4	62.4	48.9	43.2	41.8
32.5°	172.9	158.0	136.8	84.3	57.4	45.4	39.7	38.3
35°	161.6	147.4	126.1	77.2	52.4	41.8	36.1	35.4
37.5°	150.2	136.1	116.9	71.6	48.2	38.3	33.3	32.6
40°	137.5	126.1	112.0	65.2	44.6	35.4	31.2	29.8
42.5°	129.7	114.1	96.4	59.5	41.1	32.6	28.3	27.6
45°	112.7	101.3	87.2	53.9	37.6	29.8	26.2	25.5
47.5°	101.3	91.4	78.0	48.2	34.7	27.6	24.1	23.4
50°	90.0	80.8	68.0	42.5	31.9	25.5	22.0	21.3
52.5°	78.7	69.5	58.1	37.6	28.3	23.4	19.8	19.1
55°	67.3	58.8	48.2	32.6	25.5	21.3	18.4	17.0
57.5°	55.3	48.2	41.1	29.1	22.7	19.1	16.3	14.9
60°	44.6	40.4	34.7	25.5	19.8	17.0	14.2	13.5
62.5°	36.1	32.6	29.1	22.0	17.7	14.9	12.8	10.6
65°	29.1	26.9	24.1	17.7	14.9	12.8	10.6	8.5
67.5°	22.7	21.3	19.1	14.9	12.0	10.6	7.8	6.4
70°	17.7	16.3	14.9	10.6	9.2	7.8	5.7	4.3
72.5°	12.8	11.3	10.6	7.8	6.4	5.7	3.5	2.1
75°	7.8	7.8	6.4	4.3	3.5	2.8	1.4	0.7
77.5°	4.3	4.3	3.5	2.1	2.1	0.7	0.0	0.0
80°	2.1	1.4	1.4	0.7	0.7	0.0	0.0	0.0
82.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)