

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: P1316357

Luminaire Tested: LDSQA3D05R709740DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709740DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

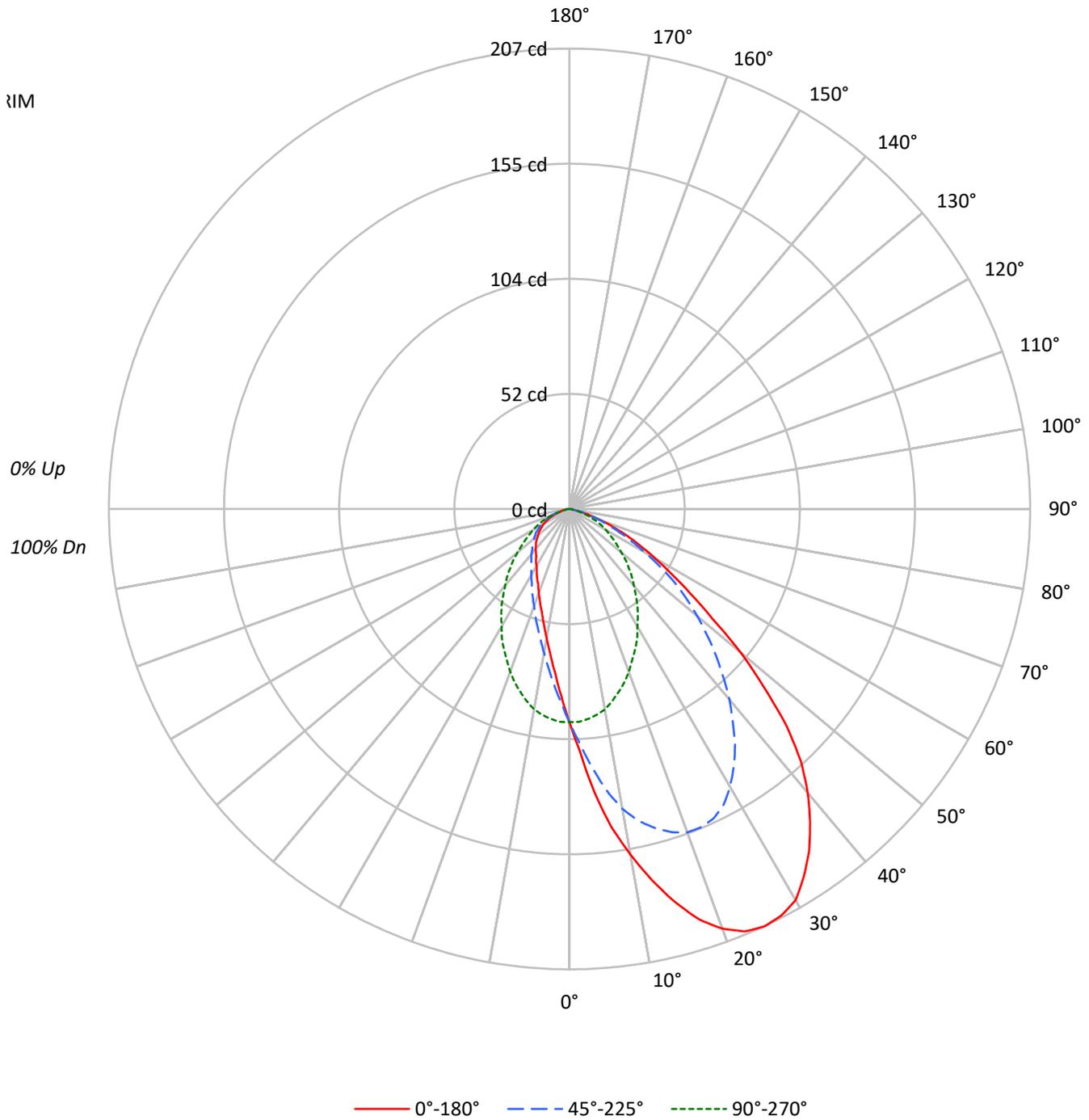
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 234.0 lumens
Efficiency: N/A
Efficacy: 32.5 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
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

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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	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	90	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	78	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	68	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	60	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	53	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	38	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	35	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16499	16499	16499	16499	16499
5°	22077	20158	16389	13727	12793
10°	27578	23941	16001	11507	10318
15°	32611	26477	15191	9842	8540
20°	36802	28371	14277	8522	7368
25°	39355	29150	13245	7544	6537
30°	40409	28676	12131	6841	5867
35°	39463	27269	11185	6307	5487
40°	37433	25135	10117	5980	5328
45°	33587	22627	9182	5772	5188
50°	26954	20095	8172	5573	4930
55°	19907	17295	7266	5525	4804
60°	15328	13502	6510	5339	4650
65°	11614	10066	5705	4931	4157
70°	7805	7050	4381	4381	3424
75°	4192	4192	2928	2928	2595
80°	992	1884	1488	1884	2380
85°	0	988	988	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 33587 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	4.0
10°-20°	28.7	12.3
20°-30°	44.3	18.9
30°-40°	50.2	21.5
40°-50°	45.5	19.4
50°-60°	31.8	13.6
60°-70°	17.5	7.5
70°-80°	5.8	2.5
80°-90°	0.8	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°	82.4	35.2
0°-40°	132.7	56.7
0°-60°	209.9	89.7
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°	96	96	96	96	96	
5°	128	117	95	79	74	13
15°	183	148	85	55	48	52
25°	207	153	70	40	34	95
35°	188	130	53	30	26	117
45°	138	93	38	24	21	104
55°	66	58	24	18	16	61
65°	28	25	14	12	10	29
75°	6	6	4	4	4	7
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°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	109.4	110.3	110.8	109.8	109.4	108.9	107.9	107.4	106.5	105.5	105.0
5°	127.7	127.7	127.7	126.8	125.3	124.4	122.4	121.0	118.5	116.6	114.7
7.5°	144.2	144.2	143.7	142.3	141.3	138.9	136.5	134.5	130.6	127.7	123.9
10°	157.7	157.7	157.3	154.8	153.4	150.5	148.1	144.7	140.8	136.9	132.6
12.5°	170.8	170.8	168.9	166.9	164.0	160.2	156.8	153.4	148.1	143.7	138.4
15°	182.9	182.9	181.9	178.5	174.7	170.3	165.5	160.6	154.4	148.5	142.7
17.5°	193.5	193.1	191.6	187.7	183.9	178.5	172.7	166.9	159.2	152.4	145.2
20°	200.8	200.8	198.9	194.5	190.2	184.4	178.1	171.3	163.1	154.8	146.1
22.5°	205.6	205.2	203.2	198.9	193.5	187.7	180.5	173.2	164.0	154.8	145.6
25°	207.1	206.6	204.7	199.8	194.5	188.2	180.5	172.7	163.1	153.4	143.2
27.5°	206.1	205.6	203.7	198.4	193.1	185.8	178.1	169.8	160.2	150.0	139.8
30°	203.2	201.8	199.8	195.0	189.2	181.9	173.7	164.5	154.8	144.2	134.0
32.5°	196.0	196.0	193.5	188.7	182.9	175.2	166.9	158.2	147.6	137.4	126.8
35°	187.7	187.3	185.3	180.0	174.7	167.4	159.2	150.0	139.8	129.7	119.5
37.5°	177.6	177.1	175.2	170.3	164.5	157.7	149.0	140.3	130.6	120.5	111.3
40°	166.5	165.5	163.1	159.2	154.4	146.6	138.9	130.2	121.0	111.8	102.6
42.5°	153.9	152.9	151.0	148.1	142.3	135.5	128.2	120.0	111.3	102.1	95.3
45°	137.9	137.9	136.9	134.0	129.7	124.4	116.6	109.4	101.1	92.9	85.6
47.5°	118.1	119.0	118.5	117.1	115.2	110.3	105.0	98.7	91.0	83.7	76.9
50°	100.6	101.1	101.6	100.6	99.2	95.8	92.4	88.5	81.8	75.0	68.7
52.5°	80.8	82.3	82.3	82.7	82.7	81.8	80.8	76.5	73.1	66.3	60.5
55°	66.3	66.3	66.3	67.3	67.7	68.2	67.3	66.3	62.4	57.6	52.3
57.5°	54.2	54.2	55.2	54.7	54.7	55.6	55.6	55.2	52.7	48.4	43.5
60°	44.5	44.5	44.5	44.5	45.0	45.0	45.0	45.0	43.1	39.2	35.3
62.5°	35.8	35.8	35.8	36.3	36.3	36.3	36.8	36.3	34.4	31.5	28.1
65°	28.5	28.1	28.5	28.5	29.0	29.0	29.0	28.5	26.6	24.7	22.3
67.5°	21.3	21.8	21.8	21.8	22.3	22.7	22.3	21.8	20.3	18.4	17.4
70°	15.5	16.0	16.0	16.0	16.5	16.9	16.5	16.0	15.0	14.0	13.1
72.5°	10.2	10.6	10.6	11.1	11.6	11.6	11.1	11.1	10.6	9.7	9.2
75°	6.3	6.3	6.8	6.8	7.3	7.3	7.3	6.8	6.8	6.3	6.3
77.5°	2.9	2.9	3.4	3.4	3.4	3.9	3.9	3.9	3.9	3.9	3.4
80°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.9	1.9	1.9
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	104.0	102.6	100.6	95.8	91.0	87.1	84.7	84.2
5°	112.3	109.8	105.5	94.8	86.1	79.4	75.5	74.0
7.5°	120.5	116.1	109.8	93.4	80.3	72.1	67.7	65.8
10°	127.3	121.9	113.7	91.5	75.5	65.8	60.5	59.0
12.5°	132.6	126.3	116.1	88.5	70.6	60.0	54.7	53.2
15°	136.0	129.2	117.6	85.2	65.8	55.2	49.8	47.9
17.5°	137.4	129.2	117.1	81.8	61.5	50.8	45.5	44.0
20°	137.4	128.2	115.6	77.9	57.1	46.5	41.6	40.2
22.5°	136.0	126.3	112.3	73.5	53.2	43.1	38.2	36.8
25°	133.1	122.4	108.4	69.7	49.4	39.7	35.3	34.4
27.5°	128.7	118.1	103.5	65.8	46.0	36.8	32.9	31.9
30°	123.4	112.7	98.2	61.0	42.6	34.4	31.0	29.5
32.5°	116.6	106.5	92.4	57.1	39.7	31.9	29.0	28.1
35°	109.4	100.2	86.1	53.2	36.8	30.0	27.1	26.1
37.5°	102.1	92.4	80.8	48.9	34.4	28.1	25.6	24.7
40°	94.4	87.1	75.0	45.0	32.4	26.6	24.2	23.7
42.5°	86.6	78.9	66.8	41.6	30.0	24.7	22.7	22.3
45°	77.4	70.2	60.5	37.7	28.1	23.7	21.8	21.3
47.5°	69.7	62.9	54.2	34.4	26.1	22.3	20.3	19.8
50°	62.4	55.6	47.4	30.5	24.2	20.8	19.4	18.4
52.5°	54.2	48.4	41.1	27.1	22.3	19.4	17.9	17.4
55°	46.9	41.1	34.4	24.2	20.3	18.4	16.5	16.0
57.5°	38.7	33.9	29.0	21.3	18.4	16.5	15.5	14.5
60°	31.5	28.1	24.7	18.9	16.5	15.5	14.0	13.5
62.5°	25.6	23.2	20.8	16.5	14.5	13.5	12.6	11.6
65°	20.3	18.9	16.9	14.0	12.6	12.1	11.1	10.2
67.5°	16.0	15.0	13.5	11.1	10.6	10.2	9.2	8.2
70°	12.1	11.6	10.6	8.7	8.2	8.7	7.7	6.8
72.5°	8.7	8.2	7.7	6.3	6.3	6.3	5.8	4.8
75°	5.8	5.3	4.8	4.4	4.4	4.4	4.4	3.9
77.5°	3.4	3.4	2.9	2.4	2.9	2.9	3.4	3.4
80°	1.5	1.5	1.5	1.5	1.9	1.9	2.4	2.4
82.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
87.5°	0.5	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

(END OF REPORT)