

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: P1319756

Luminaire Tested: LDSQA3D02R709840DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709840DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

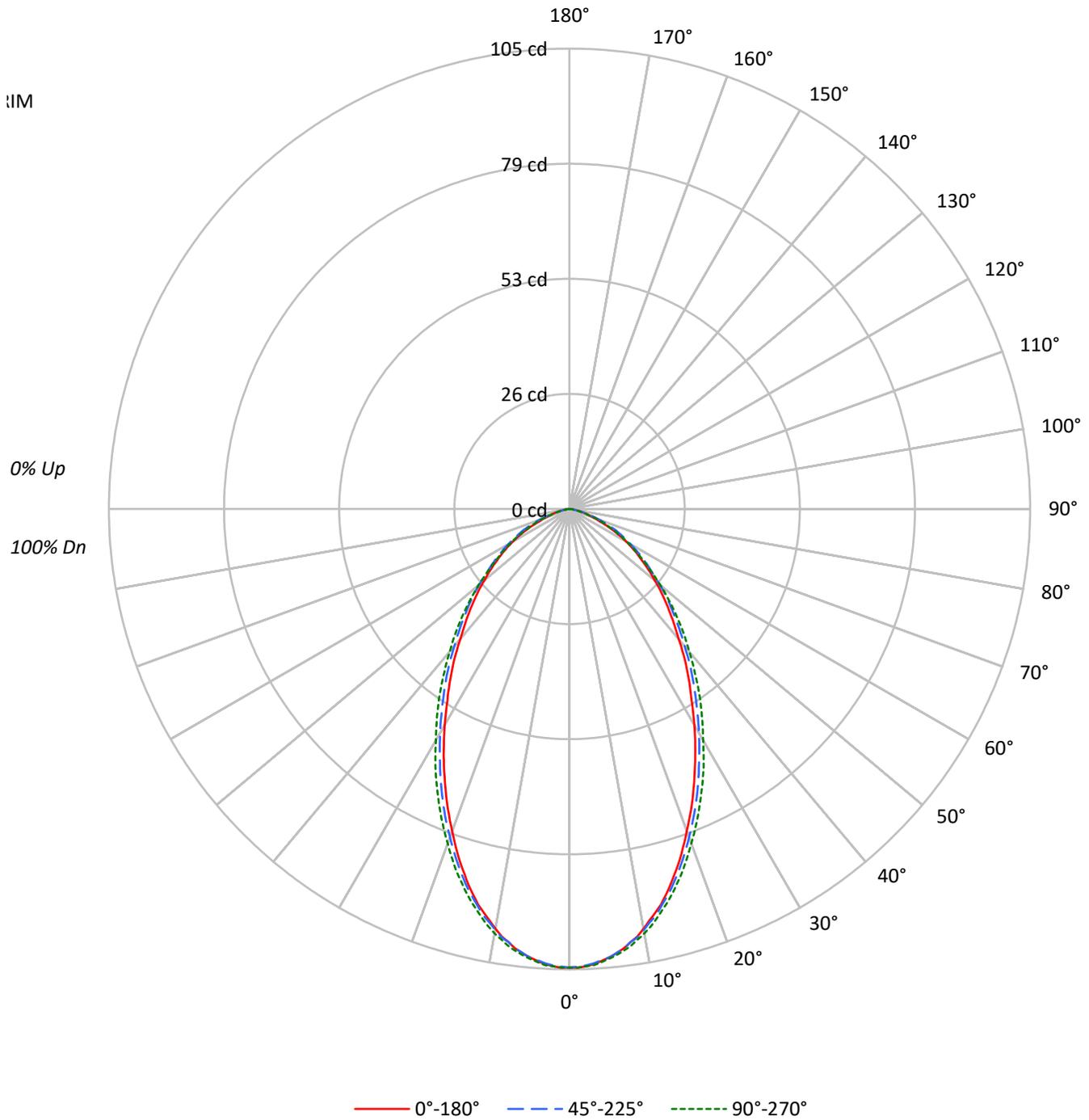
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 157.0 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
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	0
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	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18014	18014	18014
5°	17755	17755	17807
10°	16998	17051	17191
15°	15833	15976	16172
20°	14332	14607	14882
25°	12808	13169	13530
30°	11315	11733	12111
35°	9966	10407	10849
40°	8701	9173	9555
45°	7721	8135	8403
50°	6805	7181	7261
55°	5975	6336	6155
60°	5167	5546	5304
65°	4116	4809	4320
70°	2971	3726	3273
75°	2262	2396	1996
80°	1488	1488	1091
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8403 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	6.1
10°-20°	25.0	15.9
20°-30°	31.8	20.3
30°-40°	30.9	19.7
40°-50°	25.7	16.4
50°-60°	18.5	11.8
60°-70°	10.9	7.0
70°-80°	3.9	2.5
80°-90°	0.6	0.4
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°	66.5	42.3
0°-40°	97.4	62.0
0°-60°	141.7	90.2
0°-90°	157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	157.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	105	105	105	105	105	
5°	103	102	103	103	103	10
15°	89	89	90	90	91	25
25°	67	68	69	71	71	31
35°	47	48	50	51	52	30
45°	32	32	33	34	34	25
55°	20	20	21	21	20	18
65°	10	11	12	11	11	10
75°	3	4	4	3	3	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	104.6	104.6	104.6	104.6	104.6
1°	104.6	104.4	104.4	104.4	104.6
2°	104.4	104.2	104.2	104.2	104.4
3°	104.0	103.8	103.8	103.8	104.2
4°	103.4	103.0	103.2	103.2	103.6
5°	102.7	102.5	102.7	102.7	103.0
6°	101.9	101.7	101.9	101.9	102.3
7°	101.0	100.8	101.0	101.1	101.5
8°	99.8	99.6	99.8	100.0	100.6
9°	98.7	98.5	98.9	99.1	99.4
10°	97.2	97.2	97.5	97.7	98.3
11°	95.6	95.6	96.0	96.4	97.0
12°	94.1	94.1	94.7	95.1	95.5
13°	92.6	92.4	93.0	93.4	93.9
14°	90.7	90.5	91.3	91.8	92.4
15°	88.8	88.8	89.6	90.1	90.7
17.5°	83.7	83.9	84.8	85.6	86.2
20°	78.2	78.8	79.7	80.6	81.2
22.5°	72.9	73.2	74.6	75.7	76.3
25°	67.4	68.1	69.3	70.6	71.2
27.5°	62.1	62.8	64.0	65.3	66.2
30°	56.9	57.5	59.0	60.3	60.9
32.5°	51.8	52.6	54.1	55.4	56.2
35°	47.4	48.0	49.5	50.9	51.6
37.5°	43.1	43.6	45.2	46.3	46.9
40°	38.7	39.7	40.8	41.9	42.5
42.5°	35.1	35.9	37.0	38.0	38.5
45°	31.7	32.3	33.4	34.2	34.5
47.5°	28.5	29.0	30.2	30.6	30.7
50°	25.4	26.0	26.8	26.9	27.1
52.5°	22.6	23.0	23.7	23.7	23.5
55°	19.9	20.5	21.1	20.9	20.5
57.5°	17.5	17.6	18.6	18.2	17.8
60°	15.0	15.4	16.1	15.8	15.4
62.5°	12.5	12.9	13.9	13.5	12.9
65°	10.1	10.8	11.8	11.2	10.6
67.5°	7.6	8.5	9.5	8.9	8.5
70°	5.9	6.6	7.4	6.8	6.5
72.5°	4.6	4.9	5.3	4.9	4.6
75°	3.4	3.6	3.6	3.2	3.0
77.5°	2.5	2.7	2.3	1.9	1.9
80°	1.5	1.7	1.5	1.1	1.1
82.5°	0.8	0.9	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.2	0.2	0.2	0.2	0.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)