

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: P1319987

Luminaire Tested: LDSQA3D09R359840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

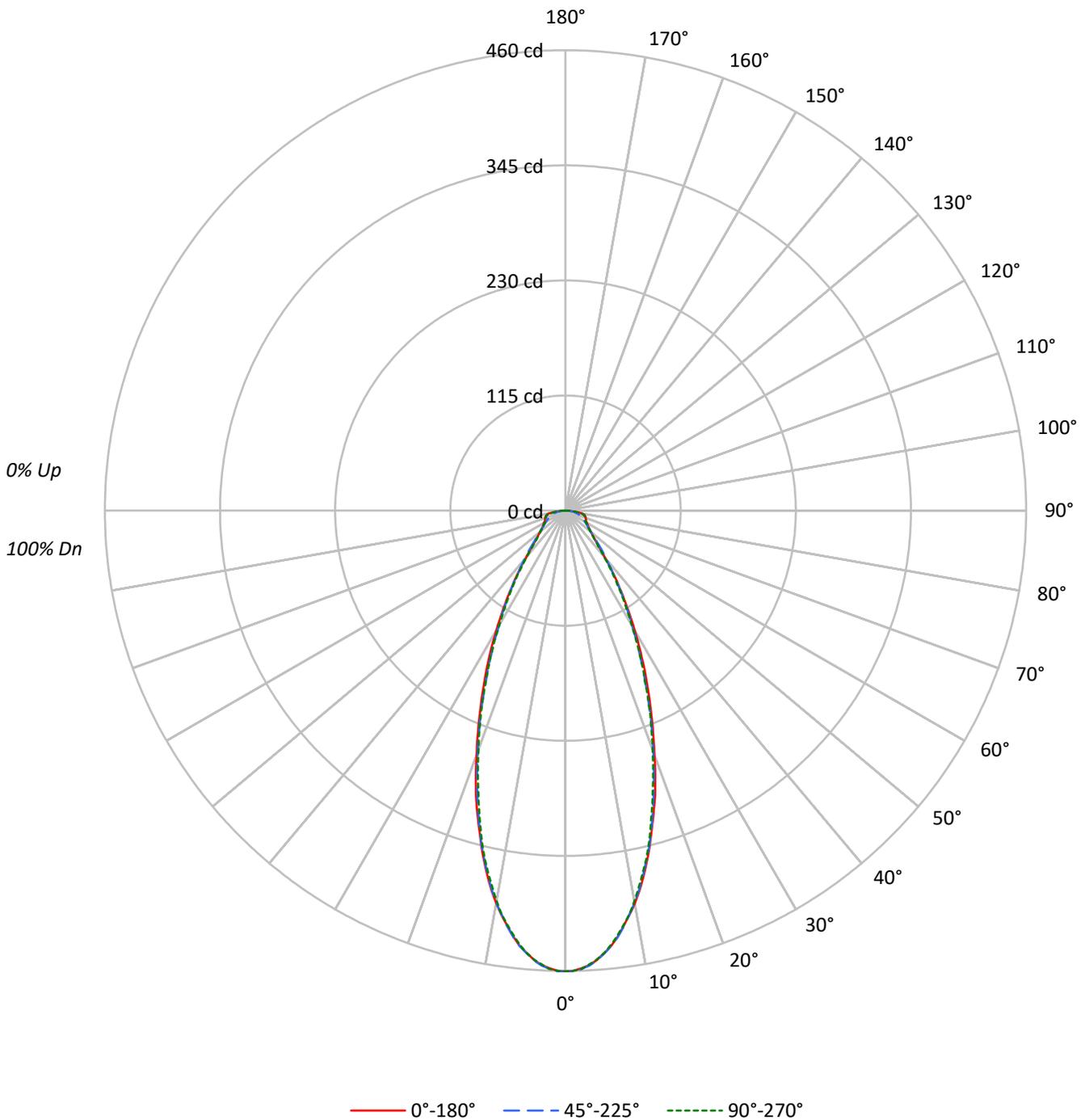
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 381.0 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	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	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	79309	79309	79309
5°	76707	76811	76707
10°	69672	69585	69270
15°	59141	58945	58428
20°	47615	46974	46552
25°	36808	35706	35706
30°	27443	26529	26290
35°	19763	19511	19027
40°	13826	14209	13309
45°	10303	10887	10035
50°	8869	8869	8708
55°	8347	8017	8197
60°	8577	7784	8198
65°	9210	7784	8965
70°	10826	8157	10524
75°	13508	8517	13109
80°	17257	9224	15571
85°	13832	9090	13832

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 17257 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	10.7
10°-20°	91.3	24.0
20°-30°	87.2	22.9
30°-40°	58.6	15.4
40°-50°	34.4	9.0
50°-60°	24.6	6.5
60°-70°	20.5	5.4
70°-80°	16.8	4.4
80°-90°	6.9	1.8
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°	219.3	57.6
0°-40°	277.9	72.9
0°-60°	336.9	88.4
0°-90°	381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	460	460	460	460	460	
5°	444	445	444	444	444	41
15°	332	332	331	328	328	92
25°	194	191	188	188	188	89
35°	94	94	93	91	90	59
45°	42	44	45	42	41	34
55°	28	27	27	27	27	25
65°	23	20	19	20	22	23
75°	20	16	13	16	20	21
85°	7	8	5	8	7	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	460.5	460.5	460.5	460.5	460.5
1°	459.9	460.5	460.5	459.9	459.9
2°	457.6	458.8	458.2	457.6	458.2
3°	454.7	455.9	455.3	454.7	454.1
4°	450.1	451.2	450.6	449.5	449.5
5°	443.7	444.8	444.3	443.7	443.7
6°	437.3	438.5	437.3	436.1	436.1
7°	428.6	430.3	429.2	428.0	427.4
8°	418.7	420.5	419.3	418.7	417.6
9°	408.9	410.0	408.3	408.3	408.3
10°	398.4	399.0	397.9	396.1	396.1
11°	386.8	386.3	385.7	384.5	383.4
12°	374.1	374.1	372.3	371.2	370.6
13°	360.7	360.2	359.0	357.8	357.8
14°	346.8	346.8	345.7	343.3	343.9
15°	331.7	332.3	330.6	328.3	327.7
17.5°	297.5	296.4	293.5	291.7	290.0
20°	259.8	259.2	256.3	254.6	254.0
22.5°	225.0	224.4	221.5	219.8	221.0
25°	193.7	191.4	187.9	187.9	187.9
27.5°	164.7	161.8	159.5	158.3	159.5
30°	138.0	135.7	133.4	132.8	132.2
32.5°	114.3	113.1	111.9	110.2	110.2
35°	94.0	94.0	92.8	91.1	90.5
37.5°	76.6	77.1	76.6	74.8	74.2
40°	61.5	62.6	63.2	61.5	59.2
42.5°	50.5	52.2	53.4	50.5	48.7
45°	42.3	43.5	44.7	42.3	41.2
47.5°	37.1	37.7	38.3	36.5	36.0
50°	33.1	33.1	33.1	32.5	32.5
52.5°	30.2	30.2	29.6	29.0	29.0
55°	27.8	27.3	26.7	26.7	27.3
57.5°	26.1	25.5	24.4	24.9	25.5
60°	24.9	23.8	22.6	23.2	23.8
62.5°	23.2	22.0	20.9	21.5	22.6
65°	22.6	20.3	19.1	20.3	22.0
67.5°	22.0	19.1	17.4	19.1	21.5
70°	21.5	18.0	16.2	18.0	20.9
72.5°	20.9	16.8	14.5	16.8	20.3
75°	20.3	15.7	12.8	15.7	19.7
77.5°	19.1	14.5	11.0	14.5	18.0
80°	17.4	13.3	9.3	12.8	15.7
82.5°	12.8	11.0	7.5	11.0	11.6
85°	7.0	7.5	4.6	7.5	7.0
87.5°	0.6	1.2	1.2	3.5	2.3



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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)