

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: P1311305

Luminaire Tested: LDSQA3D09R259040DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259040DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

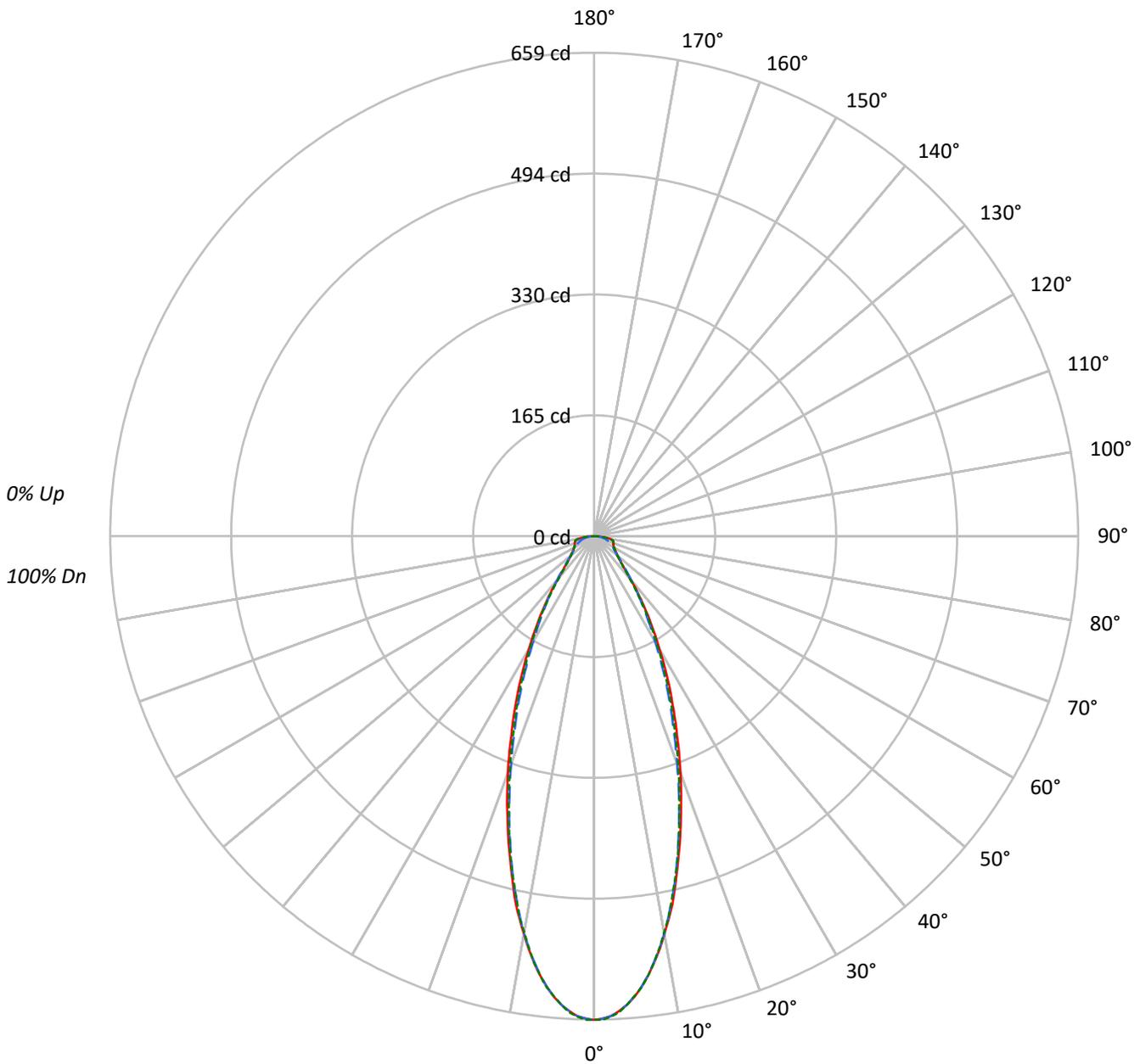
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 498.0 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	113564	113564	113564
5°	108967	108828	108828
10°	96324	96184	95904
15°	79539	78433	78843
20°	63028	60426	61434
25°	48001	45454	46652
30°	35358	32853	34265
35°	25314	24157	24494
40°	17334	17693	16817
45°	12836	13615	12641
50°	11173	11173	10958
55°	10629	10149	10629
60°	10850	10023	10850
65°	11859	10269	11859
70°	14250	10323	13847
75°	17833	10979	17833
80°	22613	11703	21026
85°	18575	10868	18575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 22613 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	11.6
10°-20°	122.3	24.6
20°-30°	112.0	22.5
30°-40°	73.9	14.8
40°-50°	43.0	8.6
50°-60°	31.4	6.3
60°-70°	26.7	5.4
70°-80°	22.1	4.4
80°-90°	9.1	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°	291.8	58.6
0°-40°	365.7	73.4
0°-60°	440.2	88.4
0°-90°	498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	498.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	659	659	659	659	659	
5°	630	630	630	630	630	58
15°	446	445	440	441	442	124
25°	253	246	239	240	246	116
35°	120	118	115	115	116	76
45°	53	54	56	53	52	43
55°	35	35	34	35	35	32
65°	29	27	25	27	29	29
75°	27	20	16	20	27	28
85°	9	10	6	10	9	11
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	659.4	659.4	659.4	659.4	659.4
1°	657.8	657.8	657.8	657.8	659.4
2°	654.7	653.9	654.7	654.7	655.5
3°	648.4	648.4	648.4	648.4	649.9
4°	640.5	640.5	640.5	640.5	640.5
5°	630.3	629.5	629.5	630.3	629.5
6°	617.7	617.7	617.7	617.7	618.5
7°	603.5	602.7	602.7	601.9	603.5
8°	587.0	587.0	586.2	585.4	587.0
9°	569.7	570.5	568.9	568.1	568.1
10°	550.8	550.0	550.0	550.0	548.4
11°	531.9	529.6	528.8	528.8	530.3
12°	513.0	509.1	507.5	507.5	507.5
13°	490.2	488.6	486.3	484.7	485.5
14°	467.4	467.4	463.5	463.5	465.0
15°	446.1	444.6	439.9	441.4	442.2
17.5°	393.4	390.3	384.8	384.8	385.6
20°	343.9	338.3	329.7	333.6	335.2
22.5°	295.1	289.6	280.9	284.8	286.4
25°	252.6	245.5	239.2	240.0	245.5
27.5°	214.0	206.2	199.9	202.2	205.4
30°	177.8	173.1	165.2	169.2	172.3
32.5°	147.1	143.2	137.7	140.1	143.2
35°	120.4	118.0	114.9	114.9	116.5
37.5°	97.6	96.8	95.2	94.4	93.6
40°	77.1	78.7	78.7	77.1	74.8
42.5°	62.9	64.5	66.1	62.9	60.6
45°	52.7	54.3	55.9	52.7	51.9
47.5°	46.4	47.2	48.0	46.4	45.6
50°	41.7	41.7	41.7	40.9	40.9
52.5°	38.6	37.8	37.0	37.8	37.8
55°	35.4	35.4	33.8	34.6	35.4
57.5°	33.0	32.3	31.5	32.3	33.0
60°	31.5	29.9	29.1	29.9	31.5
62.5°	29.9	28.3	26.8	28.3	29.9
65°	29.1	26.8	25.2	26.8	29.1
67.5°	28.3	25.2	22.8	25.2	28.3
70°	28.3	23.6	20.5	23.6	27.5
72.5°	27.5	22.0	18.9	22.0	27.5
75°	26.8	20.5	16.5	20.5	26.8
77.5°	26.0	18.9	14.2	18.9	25.2
80°	22.8	17.3	11.8	17.3	21.2
82.5°	16.5	14.2	9.4	14.2	15.7
85°	9.4	10.2	5.5	10.2	9.4
87.5°	1.6	2.4	1.6	3.9	3.1



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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)