

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: P1315427

Luminaire Tested: LDSQA3D09R209735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209735DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

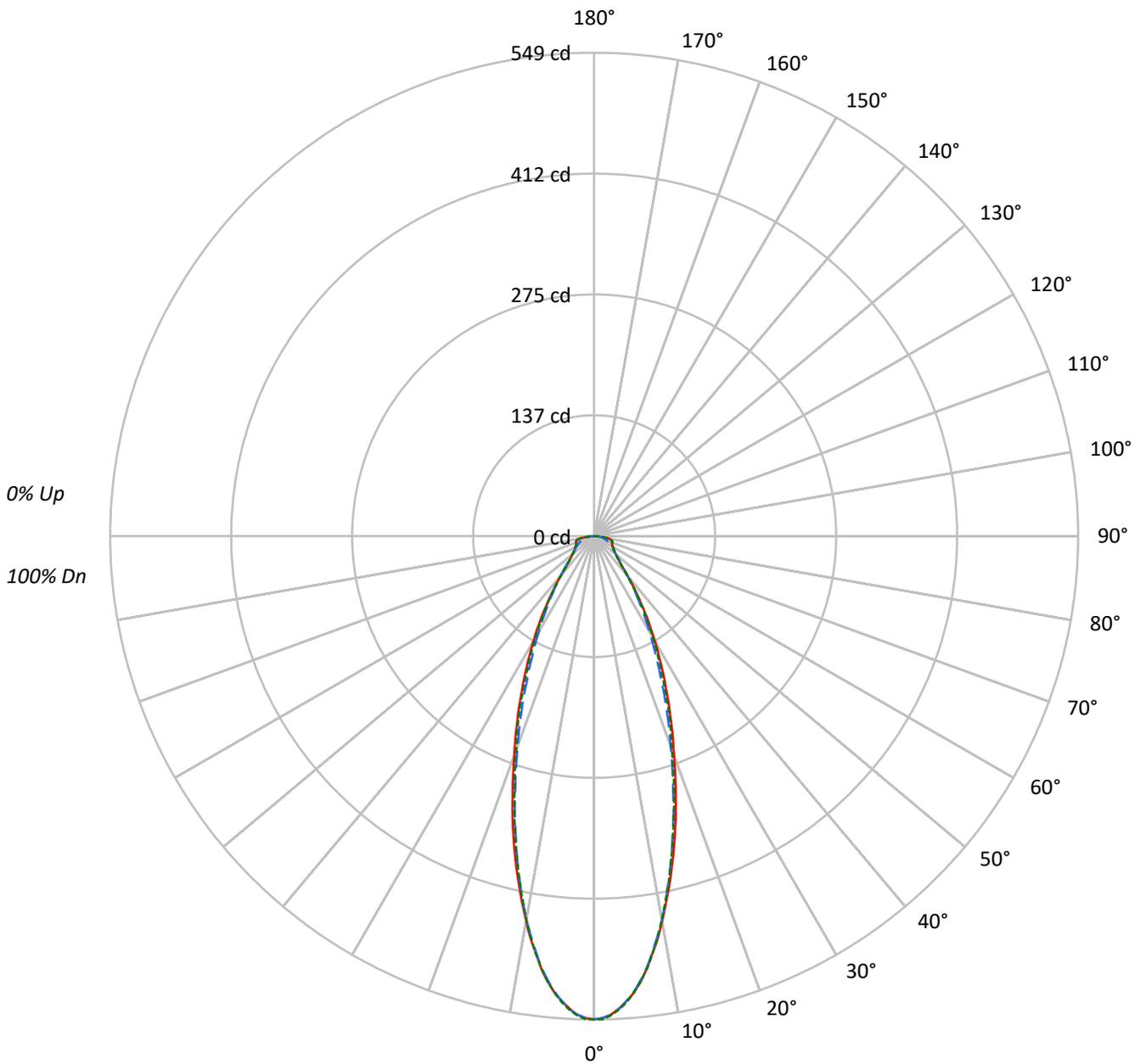
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 387.0 lumens
Efficiency: N/A
Efficacy: 34.9 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80	80	80	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61	61	61	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	57	57	57	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53	53	53	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	50	50	50	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	47	47	47	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44	44	44	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	94516	94516	94516
5°	89932	89690	89932
10°	77629	77402	77279
15°	63011	61548	61798
20°	48531	46424	47285
25°	36865	34148	35839
30°	27344	24918	26529
35°	19322	18039	19048
40°	13309	13309	13017
45°	9791	10278	9791
50°	8574	8574	8574
55°	8167	7987	8167
60°	8439	7750	8439
65°	9169	7784	9169
70°	10977	7906	10977
75°	14040	8584	14040
80°	17555	8827	16860
85°	13437	8102	14820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 17555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	12.2
10°-20°	96.1	24.8
20°-30°	85.8	22.2
30°-40°	56.3	14.6
40°-50°	32.8	8.5
50°-60°	24.3	6.3
60°-70°	20.5	5.3
70°-80°	17.0	4.4
80°-90°	7.1	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°	229.1	59.2
0°-40°	285.4	73.7
0°-60°	342.4	88.5
0°-90°	387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	387.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	549	549	549	549	549	
5°	520	520	519	520	520	47
15°	353	350	345	346	347	98
25°	194	189	180	184	189	89
35°	92	89	86	88	91	58
45°	40	41	42	41	40	32
55°	27	27	27	27	27	25
65°	22	20	19	20	22	22
75°	21	16	13	16	21	22
85°	7	8	4	8	8	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	548.8	548.8	548.8	548.8	548.8
1°	547.4	548.1	547.4	548.1	548.8
2°	544.0	544.7	544.0	544.0	544.7
3°	537.2	537.9	537.9	537.9	538.6
4°	529.0	529.7	529.0	529.7	530.4
5°	520.2	519.5	518.8	519.5	520.2
6°	507.9	507.2	506.6	507.2	507.9
7°	494.3	493.6	492.9	492.9	493.6
8°	477.3	478.0	475.9	477.3	478.0
9°	462.3	460.9	459.6	459.6	460.9
10°	443.9	442.6	442.6	441.9	441.9
12.5°	399.0	396.3	394.2	394.2	394.9
15°	353.4	350.0	345.2	345.9	346.6
17.5°	307.7	303.7	297.5	298.9	300.3
20°	264.8	260.8	253.3	256.0	258.0
22.5°	228.1	222.0	215.1	217.2	224.0
25°	194.0	188.6	179.7	184.5	188.6
27.5°	164.1	158.0	150.5	155.2	159.3
30°	137.5	132.1	125.3	129.4	133.4
32.5°	113.7	108.9	104.2	106.9	110.3
35°	91.9	89.2	85.8	88.5	90.6
37.5°	74.2	72.9	71.5	72.9	72.2
40°	59.2	59.9	59.2	59.2	57.9
42.5°	47.0	49.0	49.7	48.3	47.0
45°	40.2	40.9	42.2	40.9	40.2
47.5°	35.4	35.4	36.1	35.4	34.7
50°	32.0	32.0	32.0	32.0	32.0
52.5°	29.3	29.3	28.6	29.3	29.3
55°	27.2	26.6	26.6	26.6	27.2
57.5°	25.9	25.2	24.5	25.2	25.9
60°	24.5	23.1	22.5	23.1	24.5
62.5°	23.1	21.8	21.1	21.8	23.1
65°	22.5	20.4	19.1	20.4	22.5
67.5°	21.8	19.1	17.7	19.1	22.5
70°	21.8	17.7	15.7	18.4	21.8
72.5°	21.1	17.0	14.3	17.0	21.1
75°	21.1	15.7	12.9	15.7	21.1
77.5°	19.7	14.3	10.9	14.3	19.7
80°	17.7	12.9	8.9	12.9	17.0
82.5°	12.9	10.9	6.8	10.9	12.9
85°	6.8	7.5	4.1	7.5	7.5
87.5°	0.7	2.7	1.4	4.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)