

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: P1319921

Luminaire Tested: LDSQA3D09R159840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

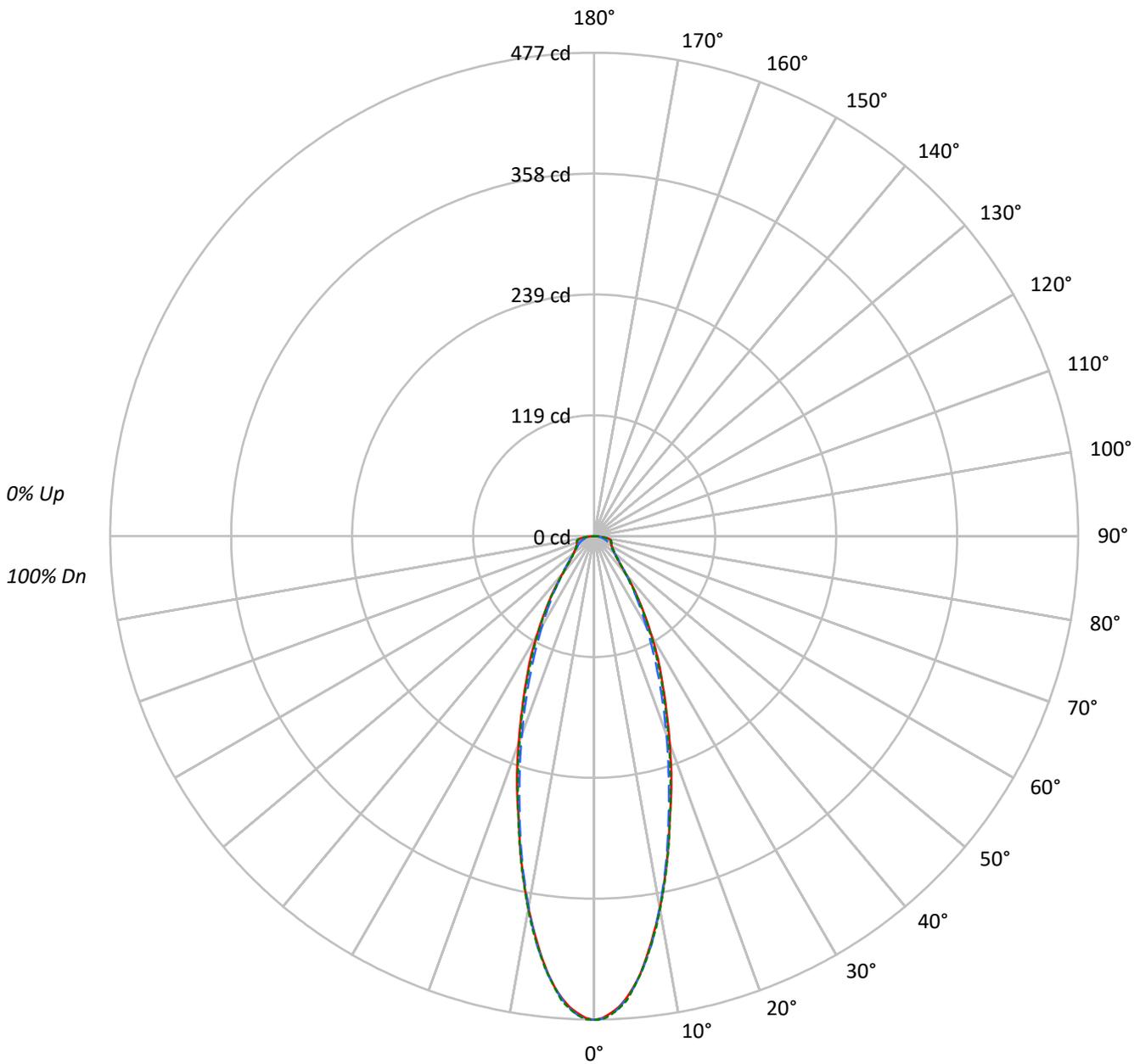
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 320.0 lumens
Efficiency: N/A
Efficacy: 29.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
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 (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



— 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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82202	82202	82202
5°	77208	77312	77312
10°	65213	65020	65422
15°	51296	50565	51403
20°	39862	38048	39331
25°	30081	27991	29644
30°	22372	20423	21915
35°	15979	14885	15726
40°	10814	10949	10701
45°	8062	8476	8062
50°	6993	6993	6993
55°	6786	6456	6786
60°	6992	6407	6786
65°	7580	6602	7580
70°	9064	6697	9064
75°	11578	6920	11578
80°	14381	7438	13786
85°	11461	6916	12647

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 14381 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	12.6
10°-20°	79.6	24.9
20°-30°	70.3	22.0
30°-40°	46.2	14.4
40°-50°	27.0	8.4
50°-60°	19.9	6.2
60°-70°	17.0	5.3
70°-80°	14.0	4.4
80°-90°	5.8	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°	190.2	59.4
0°-40°	236.4	73.9
0°-60°	283.3	88.5
0°-90°	320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	477	477	477	477	477	
5°	447	447	447	448	447	40
15°	288	288	284	287	288	80
25°	158	153	147	151	156	73
35°	76	73	71	72	75	48
45°	33	34	35	34	33	27
55°	23	22	22	22	23	20
65°	19	17	16	17	19	19
75°	17	13	10	13	17	18
85°	6	6	4	6	6	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	477.3	477.3	477.3	477.3	477.3
1°	475.6	476.2	476.2	476.8	476.8
2°	471.0	472.1	472.7	472.7	472.7
3°	465.2	465.7	466.3	466.9	466.9
4°	457.0	457.6	457.6	458.8	459.4
5°	446.6	446.6	447.2	447.8	447.2
6°	434.4	434.4	435.0	435.0	435.0
7°	419.9	420.5	421.1	421.7	421.1
8°	404.3	404.8	406.6	406.6	406.0
9°	388.6	389.2	389.2	390.9	390.9
10°	372.9	372.9	371.8	372.9	374.1
12.5°	330.6	330.0	328.3	330.0	331.2
15°	287.7	287.7	283.6	287.1	288.3
17.5°	252.9	247.7	243.6	247.1	250.0
20°	217.5	212.3	207.6	211.1	214.6
22.5°	185.6	181.5	175.7	179.2	183.3
25°	158.3	153.1	147.3	151.4	156.0
27.5°	135.7	128.8	123.0	127.6	131.7
30°	112.5	107.9	102.7	106.1	110.2
32.5°	92.8	89.3	85.3	88.2	91.6
35°	76.0	73.1	70.8	72.5	74.8
37.5°	60.9	59.7	58.6	59.2	59.2
40°	48.1	48.7	48.7	48.7	47.6
42.5°	39.4	40.0	41.2	40.0	39.4
45°	33.1	33.6	34.8	33.6	33.1
47.5°	29.0	29.6	30.2	29.0	29.0
50°	26.1	26.1	26.1	26.1	26.1
52.5°	24.4	23.8	23.8	23.8	24.4
55°	22.6	22.0	21.5	22.0	22.6
57.5°	20.9	20.3	19.7	20.3	20.9
60°	20.3	19.1	18.6	19.1	19.7
62.5°	19.1	18.0	17.4	18.0	19.1
65°	18.6	16.8	16.2	16.8	18.6
67.5°	18.0	15.7	14.5	15.7	18.0
70°	18.0	14.5	13.3	15.1	18.0
72.5°	17.4	13.9	11.6	13.9	17.4
75°	17.4	12.8	10.4	13.3	17.4
77.5°	16.2	11.6	8.7	12.2	16.2
80°	14.5	10.4	7.5	11.0	13.9
82.5°	10.4	8.7	5.8	8.7	10.4
85°	5.8	6.4	3.5	5.8	6.4
87.5°	0.6	1.7	1.2	3.5	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)