

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: P1316416

Luminaire Tested: LDSQA3D09R259740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316416
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: LDSQA3D09R259740DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

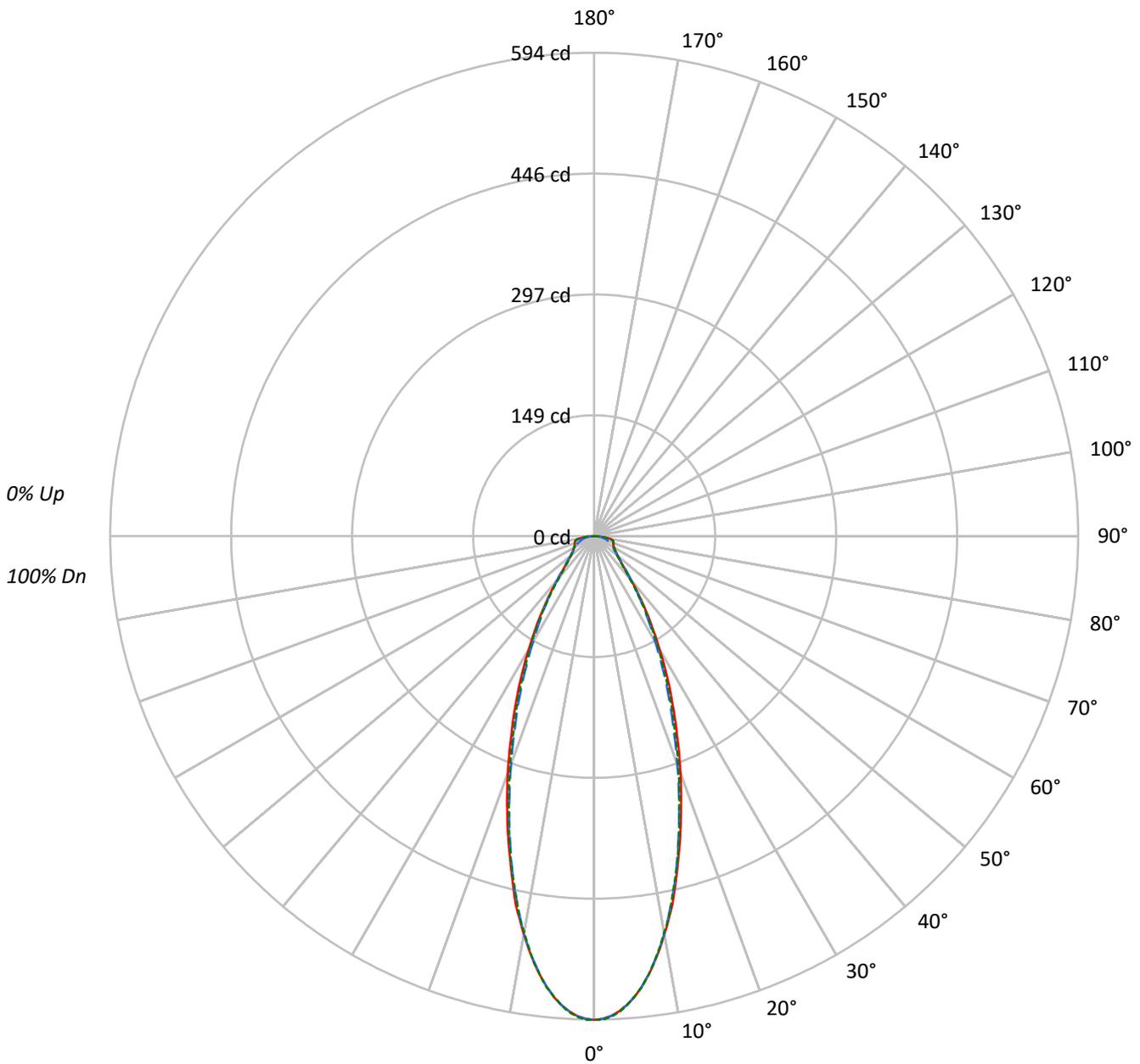
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 40.4 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

TEST NUMBER: P1316416
CATALOG NUMBER: LDSQA3D09R259740DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - · - · 90°-270°



TEST NUMBER: P1316416

CATALOG NUMBER: LDSQA3D09R259740DE010 3LSQPHRLP1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	102386	102386	102386
5°	98248	98127	98127
10°	86845	86723	86478
15°	71729	70713	71087
20°	56815	54488	55386
25°	43269	40989	42053
30°	31878	29631	30904
35°	22812	21781	22076
40°	15625	15940	15153
45°	11569	12275	11399
50°	10074	10074	9887
55°	9578	9158	9578
60°	9782	9024	9782
65°	10677	9251	10677
70°	12840	9265	12488
75°	16037	9915	16037
80°	20431	10513	19042
85°	16796	9880	16796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 20431 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	11.6
10°-20°	110.2	24.6
20°-30°	101.0	22.5
30°-40°	66.6	14.8
40°-50°	38.8	8.6
50°-60°	28.3	6.3
60°-70°	24.0	5.4
70°-80°	19.9	4.4
80°-90°	8.2	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°	263.1	58.6
0°-40°	329.7	73.4
0°-60°	396.9	88.4
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	594	594	594	594	594	
5°	568	568	568	568	568	52
15°	402	401	397	398	399	111
25°	228	221	216	216	221	105
35°	108	106	104	104	105	69
45°	48	49	50	48	47	38
55°	32	32	30	31	32	29
65°	26	24	23	24	26	26
75°	24	18	15	18	24	25
85°	8	9	5	9	8	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	594.5	594.5	594.5	594.5	594.5
1°	593.1	593.1	593.1	593.1	594.5
2°	590.3	589.5	590.3	590.3	591.0
3°	584.6	584.6	584.6	584.6	586.0
4°	577.5	577.5	577.5	577.5	577.5
5°	568.3	567.6	567.6	568.3	567.6
6°	556.9	556.9	556.9	556.9	557.6
7°	544.1	543.4	543.4	542.7	544.1
8°	529.2	529.2	528.5	527.8	529.2
9°	513.6	514.3	512.9	512.2	512.2
10°	496.6	495.9	495.9	495.9	494.5
11°	479.6	477.5	476.7	476.7	478.2
12°	462.6	459.0	457.6	457.6	457.6
13°	442.0	440.6	438.4	437.0	437.7
14°	421.4	421.4	417.9	417.9	419.3
15°	402.3	400.8	396.6	398.0	398.7
17.5°	354.7	351.9	346.9	346.9	347.6
20°	310.0	305.1	297.3	300.8	302.2
22.5°	266.0	261.1	253.3	256.8	258.2
25°	227.7	221.3	215.7	216.4	221.3
27.5°	193.0	185.9	180.2	182.3	185.2
30°	160.3	156.1	149.0	152.5	155.4
32.5°	132.7	129.1	124.2	126.3	129.1
35°	108.5	106.4	103.6	103.6	105.0
37.5°	88.0	87.3	85.8	85.1	84.4
40°	69.5	70.9	70.9	69.5	67.4
42.5°	56.8	58.2	59.6	56.8	54.6
45°	47.5	49.0	50.4	47.5	46.8
47.5°	41.9	42.6	43.3	41.9	41.1
50°	37.6	37.6	37.6	36.9	36.9
52.5°	34.8	34.1	33.3	34.1	34.1
55°	31.9	31.9	30.5	31.2	31.9
57.5°	29.8	29.1	28.4	29.1	29.8
60°	28.4	27.0	26.2	27.0	28.4
62.5°	27.0	25.5	24.1	25.5	27.0
65°	26.2	24.1	22.7	24.1	26.2
67.5°	25.5	22.7	20.6	22.7	25.5
70°	25.5	21.3	18.4	21.3	24.8
72.5°	24.8	19.9	17.0	19.9	24.8
75°	24.1	18.4	14.9	18.4	24.1
77.5°	23.4	17.0	12.8	17.0	22.7
80°	20.6	15.6	10.6	15.6	19.2
82.5°	14.9	12.8	8.5	12.8	14.2
85°	8.5	9.2	5.0	9.2	8.5
87.5°	1.4	2.1	1.4	3.5	2.8



TEST NUMBER: P1316416
CATALOG NUMBER: LDSQA3D09R259740DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)