

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: P1314489

Luminaire Tested: LDSQA3D09R309730DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309730DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

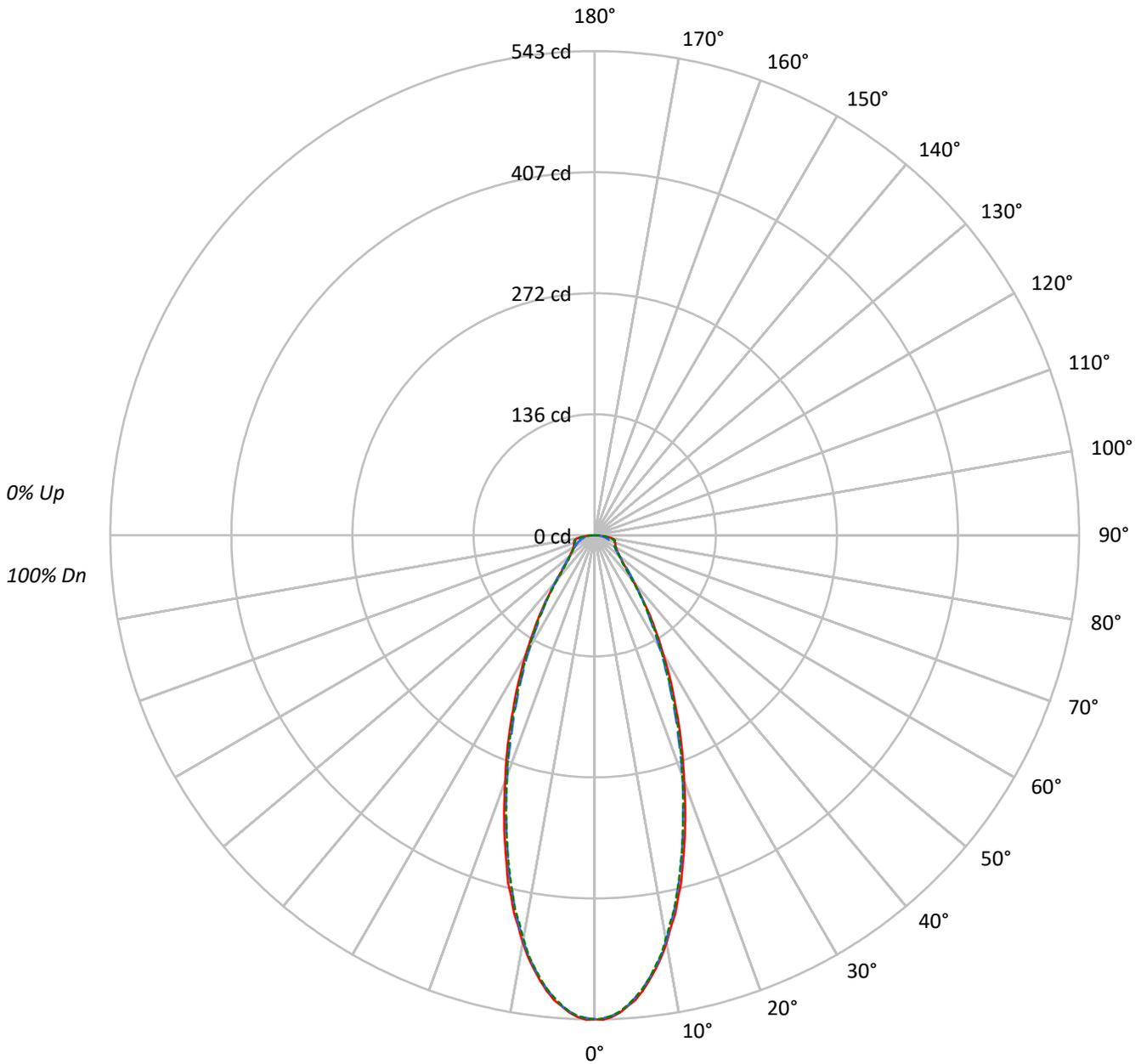
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 428.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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 (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

TEST NUMBER: P1314489
CATALOG NUMBER: LDSQA3D09R309730DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1314489

CATALOG NUMBER: LDSQA3D09R309730DE010 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
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	92	88	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52		
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	93465	93465	93465
5°	90434	89984	89984
10°	81162	80707	80357
15°	68021	66969	66844
20°	53700	52618	52618
25°	41103	39488	40229
30°	30506	28935	29591
35°	22055	21088	21214
40°	15175	15468	14726
45°	11326	11813	10863
50°	9833	9672	9672
55°	9248	8858	9068
60°	9472	8818	9266
65°	10432	8802	10147
70°	12236	8913	11884
75°	15704	9582	15238
80°	19538	10414	18249
85°	15611	10275	14227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 19538 cd/sqm



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CATALOG NUMBER: LDSQA3D09R309730DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	11.2
10°-20°	104.1	24.3
20°-30°	97.0	22.7
30°-40°	64.3	15.0
40°-50°	37.5	8.8
50°-60°	27.3	6.4
60°-70°	23.0	5.4
70°-80°	19.1	4.5
80°-90°	7.9	1.9
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°	248.9	58.1
0°-40°	313.2	73.2
0°-60°	377.9	88.3
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	543	543	543	543	543	
5°	523	522	520	520	520	48
15°	382	378	376	375	375	105
25°	216	212	208	208	212	100
35°	105	103	100	101	101	66
45°	46	47	48	46	45	37
55°	31	30	30	30	30	28
65°	26	23	22	23	25	25
75°	24	18	14	18	23	24
85°	8	9	5	8	7	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	542.7	542.7	542.7	542.7	542.7
1°	543.4	542.7	541.4	542.1	542.1
2°	540.8	540.1	539.5	539.5	539.5
3°	536.2	535.5	534.9	534.9	534.9
4°	529.6	529.0	529.0	528.3	528.3
5°	523.1	522.4	520.5	520.5	520.5
6°	513.9	513.3	511.9	511.3	511.3
7°	502.8	502.8	500.8	500.1	500.8
8°	491.0	490.3	489.0	488.3	488.3
9°	478.5	476.5	476.5	474.6	475.9
10°	464.1	462.8	461.5	460.2	459.5
11°	447.7	447.0	445.1	443.8	443.1
12°	433.9	430.7	429.3	427.4	428.7
13°	416.2	414.3	411.0	410.3	411.0
14°	401.2	397.2	394.6	393.3	392.6
15°	381.5	377.6	375.6	374.9	374.9
17.5°	337.6	335.0	329.7	329.7	329.7
20°	293.0	290.4	287.1	286.5	287.1
22.5°	254.3	249.7	244.5	245.2	249.1
25°	216.3	212.4	207.8	208.4	211.7
27.5°	184.2	178.9	174.4	175.7	177.6
30°	153.4	150.1	145.5	146.8	148.8
32.5°	127.2	125.2	120.0	121.3	123.2
35°	104.9	102.9	100.3	100.9	100.9
37.5°	83.9	83.9	83.2	82.6	81.9
40°	67.5	68.8	68.8	66.9	65.5
42.5°	55.1	56.4	57.7	55.1	53.1
45°	46.5	47.2	48.5	45.9	44.6
47.5°	40.6	40.6	42.0	40.0	39.3
50°	36.7	36.7	36.1	35.4	36.1
52.5°	33.4	32.8	32.1	32.8	32.8
55°	30.8	30.2	29.5	30.2	30.2
57.5°	28.8	28.2	27.5	27.5	28.2
60°	27.5	26.2	25.6	26.2	26.9
62.5°	26.2	24.3	23.6	24.3	25.6
65°	25.6	22.9	21.6	22.9	24.9
67.5°	24.9	21.6	19.7	21.6	24.3
70°	24.3	20.3	17.7	20.3	23.6
72.5°	23.6	19.0	16.4	19.0	23.6
75°	23.6	17.7	14.4	17.7	22.9
77.5°	22.3	16.4	12.5	16.4	21.6
80°	19.7	15.1	10.5	14.4	18.4
82.5°	14.4	13.1	7.9	12.5	13.8
85°	7.9	9.2	5.2	8.5	7.2
87.5°	1.3	2.0	1.3	3.9	2.6



TEST NUMBER: P1314489
CATALOG NUMBER: LDSQA3D09R309730DE010 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)