

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: P1307985

Luminaire Tested: LDSQA3D09R359027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359027DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

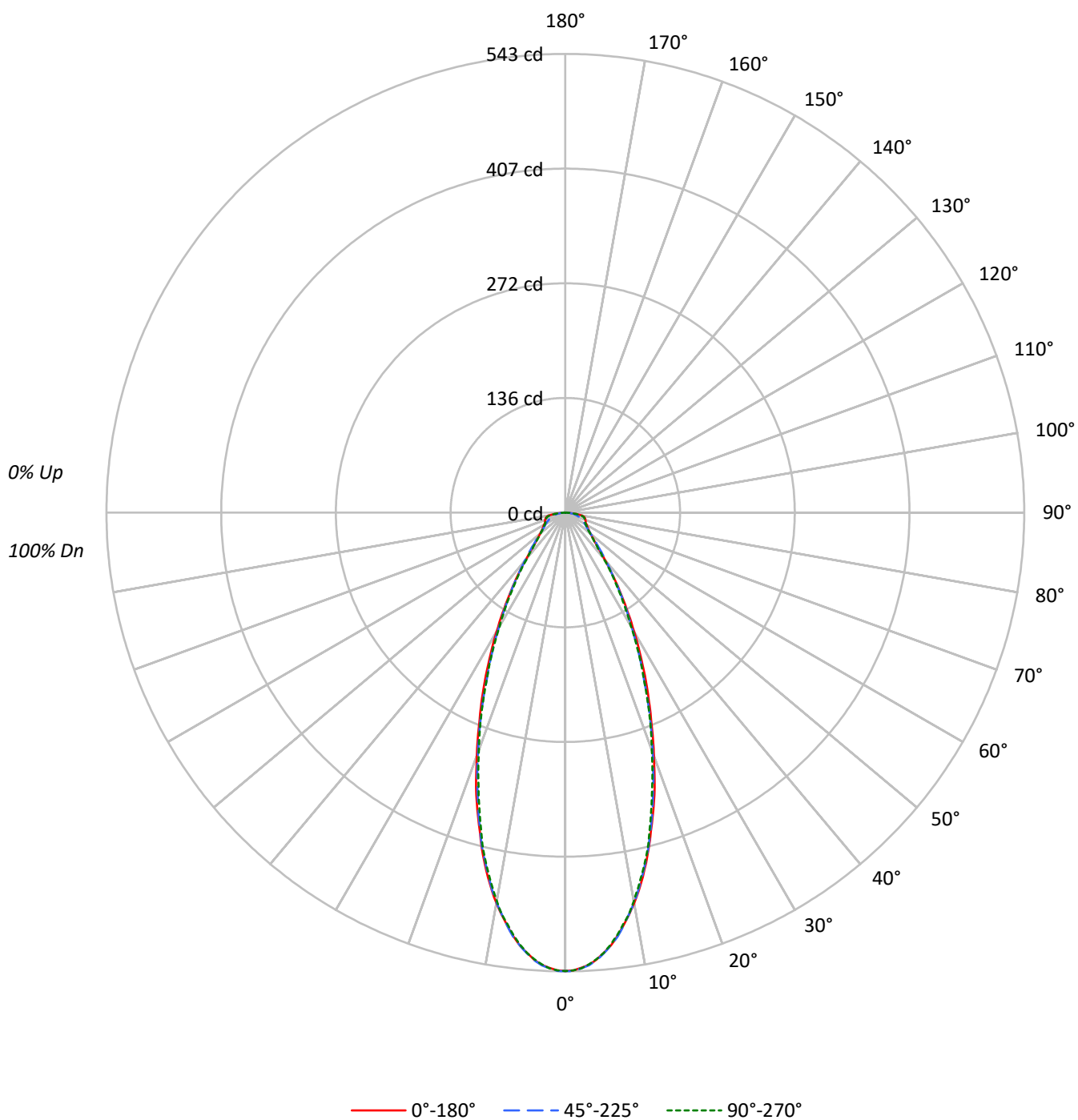
Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 40.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	93465	93465	93465
5°	90399	90503	90399
10°	82123	82001	81634
15°	69715	69465	68859
20°	56119	55368	54873
25°	43383	42072	42072
30°	32355	31262	30983
35°	23274	23001	22412
40°	16277	16749	15670
45°	12154	12811	11813
50°	10449	10449	10262
55°	9849	9428	9638
60°	10127	9197	9644
65°	10881	9210	10595
70°	12740	9618	12387
75°	15903	9981	15438
80°	20332	10811	18348
85°	16203	10868	16203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 20332 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	10.7
10°-20°	107.6	24.0
20°-30°	102.7	22.9
30°-40°	69.0	15.4
40°-50°	40.5	9.0
50°-60°	29.0	6.5
60°-70°	24.1	5.4
70°-80°	19.8	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°	258.5	57.6
0°-40°	327.5	72.9
0°-60°	397.0	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°	543	543	543	543	543	
5°	523	524	524	523	523	48
15°	391	392	390	387	386	108
25°	228	226	221	221	221	105
35°	111	111	109	107	107	70
45°	50	51	53	50	48	40
55°	33	32	31	31	32	30
65°	27	24	23	24	26	27
75°	24	18	15	18	23	25
85°	8	9	6	9	8	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°	542.0	542.7	542.7	542.0	542.0
2°	539.3	540.6	539.9	539.3	539.9
3°	535.8	537.2	536.5	535.8	535.2
4°	530.4	531.7	531.1	529.7	529.7
5°	522.9	524.2	523.5	522.9	522.9
6°	515.3	516.7	515.3	514.0	514.0
7°	505.1	507.1	505.8	504.4	503.7
8°	493.5	495.5	494.2	493.5	492.1
9°	481.9	483.2	481.2	481.2	481.2
10°	469.6	470.2	468.9	466.8	466.8
11°	455.9	455.2	454.5	453.1	451.8
12°	440.8	440.8	438.8	437.4	436.7
13°	425.1	424.4	423.1	421.7	421.7
14°	408.7	408.7	407.4	404.6	405.3
15°	391.0	391.6	389.6	386.9	386.2
17.5°	350.6	349.3	345.8	343.8	341.7
20°	306.2	305.5	302.1	300.0	299.4
22.5°	265.2	264.5	261.1	259.0	260.4
25°	228.3	225.5	221.4	221.4	221.4
27.5°	194.1	190.7	188.0	186.6	188.0
30°	162.7	159.9	157.2	156.5	155.8
32.5°	134.6	133.3	131.9	129.9	129.9
35°	110.7	110.7	109.4	107.3	106.6
37.5°	90.2	90.9	90.2	88.2	87.5
40°	72.4	73.8	74.5	72.4	69.7
42.5°	59.5	61.5	62.9	59.5	57.4
45°	49.9	51.3	52.6	49.9	48.5
47.5°	43.7	44.4	45.1	43.1	42.4
50°	39.0	39.0	39.0	38.3	38.3
52.5°	35.5	35.5	34.9	34.2	34.2
55°	32.8	32.1	31.4	31.4	32.1
57.5°	30.8	30.1	28.7	29.4	30.1
60°	29.4	28.0	26.7	27.3	28.0
62.5°	27.3	26.0	24.6	25.3	26.7
65°	26.7	23.9	22.6	23.9	26.0
67.5°	26.0	22.6	20.5	22.6	25.3
70°	25.3	21.2	19.1	21.2	24.6
72.5°	24.6	19.8	17.1	19.8	23.9
75°	23.9	18.5	15.0	18.5	23.2
77.5°	22.6	17.1	13.0	17.1	21.2
80°	20.5	15.7	10.9	15.0	18.5
82.5°	15.0	13.0	8.9	13.0	13.7
85°	8.2	8.9	5.5	8.9	8.2
87.5°	0.7	1.4	1.4	4.1	2.7



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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)