

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: P1308759

Luminaire Tested: LDSQA3D02R309030DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309030DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

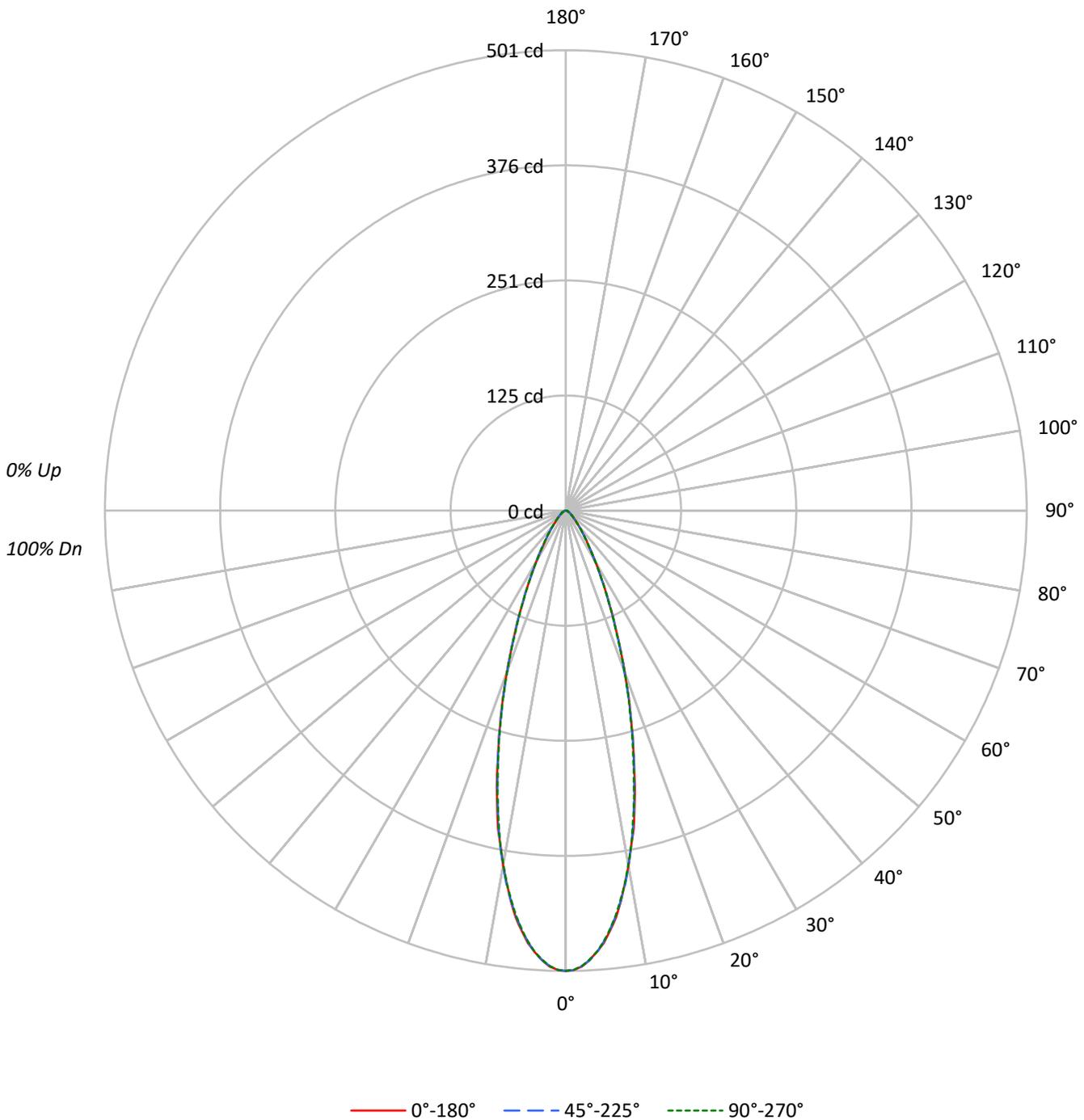
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 220.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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			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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	96	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	86266	86266	86266
5°	81686	81461	81427
10°	68623	68623	68360
15°	51118	50993	50690
20°	34218	34034	34089
25°	21093	21055	21131
30°	12688	12688	12727
35°	7779	7779	7821
40°	4924	4924	5036
45°	3385	3434	3434
50°	2465	2465	2465
55°	1892	1982	1982
60°	1584	1584	1688
65°	1386	1386	1386
70°	1209	1360	1360
75°	1131	1131	1131
80°	992	992	992
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3434 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	19.3
10°-20°	78.4	35.6
20°-30°	52.1	23.7
30°-40°	24.1	11.0
40°-50°	11.2	5.1
50°-60°	6.0	2.7
60°-70°	3.5	1.6
70°-80°	1.9	0.8
80°-90°	0.4	0.2
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°	173.0	78.7
0°-40°	197.1	89.6
0°-60°	214.3	97.4
0°-90°	220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	501	501	501	501	501	
5°	472	472	471	472	471	42
15°	287	288	286	286	284	79
25°	111	111	111	111	111	52
35°	37	37	37	37	37	24
45°	14	14	14	14	14	11
55°	6	7	7	7	7	6
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	500.9	500.9	500.9	500.9	500.9
1°	500.0	499.5	500.0	500.7	499.7
2°	496.6	496.1	496.1	497.0	496.1
3°	490.0	490.5	490.2	491.2	489.5
4°	481.7	481.5	482.4	482.9	481.5
5°	472.5	471.5	471.2	472.5	471.0
6°	459.8	459.1	458.6	460.0	458.1
7°	446.2	445.7	445.0	445.4	444.0
8°	429.4	429.1	428.6	429.1	427.4
9°	410.6	410.6	411.6	411.4	410.4
10°	392.4	392.9	392.4	392.9	390.9
11°	371.9	371.9	372.4	372.2	372.4
12°	354.2	352.2	351.7	351.2	349.8
13°	331.3	329.8	329.3	329.8	329.1
14°	310.3	309.4	306.9	307.4	306.5
15°	286.7	287.7	286.0	286.0	284.3
17.5°	234.4	233.4	233.9	234.2	233.4
20°	186.7	186.2	185.7	185.2	186.0
22.5°	145.1	145.3	144.8	144.3	143.9
25°	111.0	110.8	110.8	110.8	111.2
27.5°	84.2	84.2	84.2	84.5	84.5
30°	63.8	63.3	63.8	64.0	64.0
32.5°	47.7	48.2	48.4	48.4	48.4
35°	37.0	36.8	37.0	37.2	37.2
37.5°	28.2	28.2	28.5	28.5	28.7
40°	21.9	21.9	21.9	22.2	22.4
42.5°	17.3	17.3	17.5	17.5	17.8
45°	13.9	13.9	14.1	14.1	14.1
47.5°	11.2	11.2	11.4	11.4	11.4
50°	9.2	9.2	9.2	9.2	9.2
52.5°	7.8	7.5	7.8	7.8	7.8
55°	6.3	6.6	6.6	6.6	6.6
57.5°	5.4	5.6	5.6	5.6	5.6
60°	4.6	4.6	4.6	4.9	4.9
62.5°	3.9	4.1	4.1	4.1	4.1
65°	3.4	3.4	3.4	3.4	3.4
67.5°	2.9	2.9	2.9	2.9	3.2
70°	2.4	2.4	2.7	2.7	2.7
72.5°	2.2	2.2	2.2	2.2	2.2
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.2	1.2	1.5	1.5	1.2
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



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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)