

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: P1314311

Luminaire Tested: LDSQA3D05R259730DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259730DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

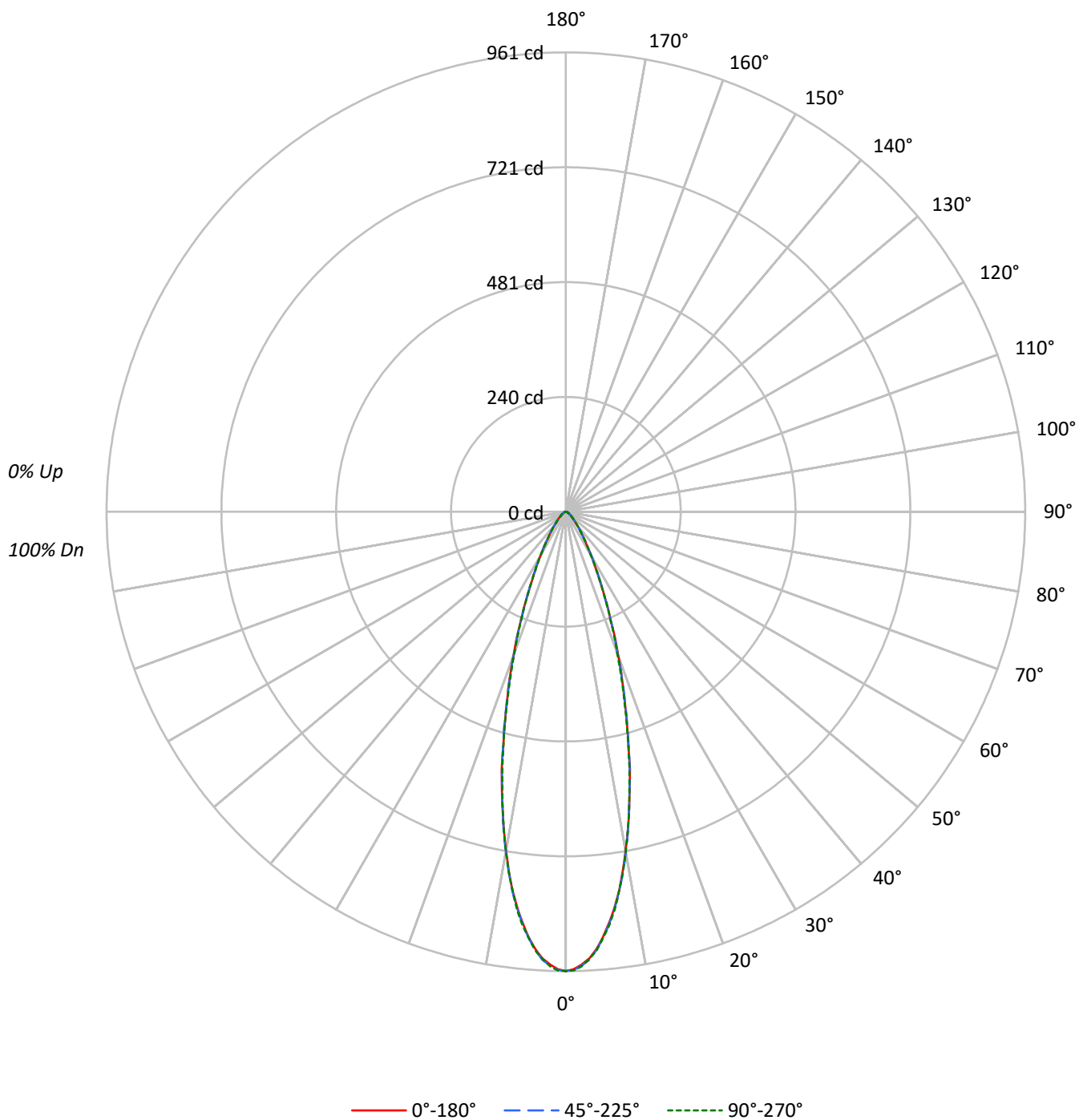
Lumens per Lamp: N/A
Luminaire Lumens: 384.9 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	73		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	165489	165489	165489
5°	154451	154607	154693
10°	125983	126385	126385
15°	89987	90468	89987
20°	58886	58318	57494
25°	35022	35193	35022
30°	21100	21100	21000
35°	12846	12951	12846
40°	8183	8296	8296
45°	5699	5699	5699
50°	4099	4207	4207
55°	3243	3243	3363
60°	2618	2790	2790
65°	2364	2364	2364
70°	2014	2014	2266
75°	1797	1797	2063
80°	1785	1785	1785
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5699 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	20.7
10°-20°	139.2	36.2
20°-30°	87.5	22.7
30°-40°	40.0	10.4
40°-50°	18.7	4.9
50°-60°	10.0	2.6
60°-70°	5.9	1.5
70°-80°	3.1	0.8
80°-90°	0.7	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°	306.5	79.6
0°-40°	346.6	90.0
0°-60°	375.3	97.5
0°-90°	384.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	961	961	961	961	961	
5°	893	895	894	895	895	80
15°	505	508	507	508	505	139
25°	184	186	185	185	184	88
35°	61	61	62	62	61	40
45°	23	23	23	23	23	19
55°	11	11	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	960.9	960.9	960.9	960.9	960.9
1°	956.8	957.7	958.6	960.0	959.5
2°	947.8	949.6	950.1	951.9	951.4
3°	935.7	935.2	938.8	938.8	936.6
4°	916.8	917.7	918.6	919.5	920.0
5°	893.4	895.2	894.3	895.2	894.8
6°	864.7	867.4	866.9	867.8	869.2
7°	834.1	835.9	835.9	835.0	838.6
8°	800.9	799.5	801.8	800.9	800.4
9°	761.3	764.0	764.5	762.2	763.1
10°	720.4	722.2	722.7	724.0	722.7
11°	680.0	680.0	680.9	683.1	679.5
12°	635.9	640.0	635.9	637.7	635.9
13°	594.1	595.0	594.1	593.7	590.5
14°	554.6	551.4	552.3	548.7	549.2
15°	504.7	507.8	507.4	508.3	504.7
17.5°	405.8	407.6	407.2	406.3	401.8
20°	321.3	321.3	318.2	316.4	313.7
22.5°	245.4	244.5	243.1	241.8	242.7
25°	184.3	186.5	185.2	185.2	184.3
27.5°	139.3	142.0	139.8	138.4	139.3
30°	106.1	107.0	106.1	105.6	105.6
32.5°	80.0	80.4	80.0	80.0	80.0
35°	61.1	61.1	61.6	61.6	61.1
37.5°	47.2	47.2	47.2	47.2	47.6
40°	36.4	36.9	36.9	36.9	36.9
42.5°	28.8	29.2	29.2	29.2	29.2
45°	23.4	23.4	23.4	23.4	23.4
47.5°	18.9	18.9	18.9	18.9	19.3
50°	15.3	15.7	15.7	15.7	15.7
52.5°	13.0	13.0	13.0	13.0	13.0
55°	10.8	10.8	10.8	11.2	11.2
57.5°	9.0	9.0	9.4	9.4	9.4
60°	7.6	8.1	8.1	8.1	8.1
62.5°	6.7	6.7	7.2	7.2	7.2
65°	5.8	5.8	5.8	5.8	5.8
67.5°	4.9	4.9	4.9	4.9	5.4
70°	4.0	4.0	4.0	4.5	4.5
72.5°	3.6	3.6	3.6	3.6	3.6
75°	2.7	2.7	2.7	3.1	3.1
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.8	1.8	1.8	1.8	1.8
82.5°	0.9	0.9	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.4
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)