

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: P1307790

Luminaire Tested: LDSQA3D05R259027DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307790
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: LDSQA3D05R259027DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

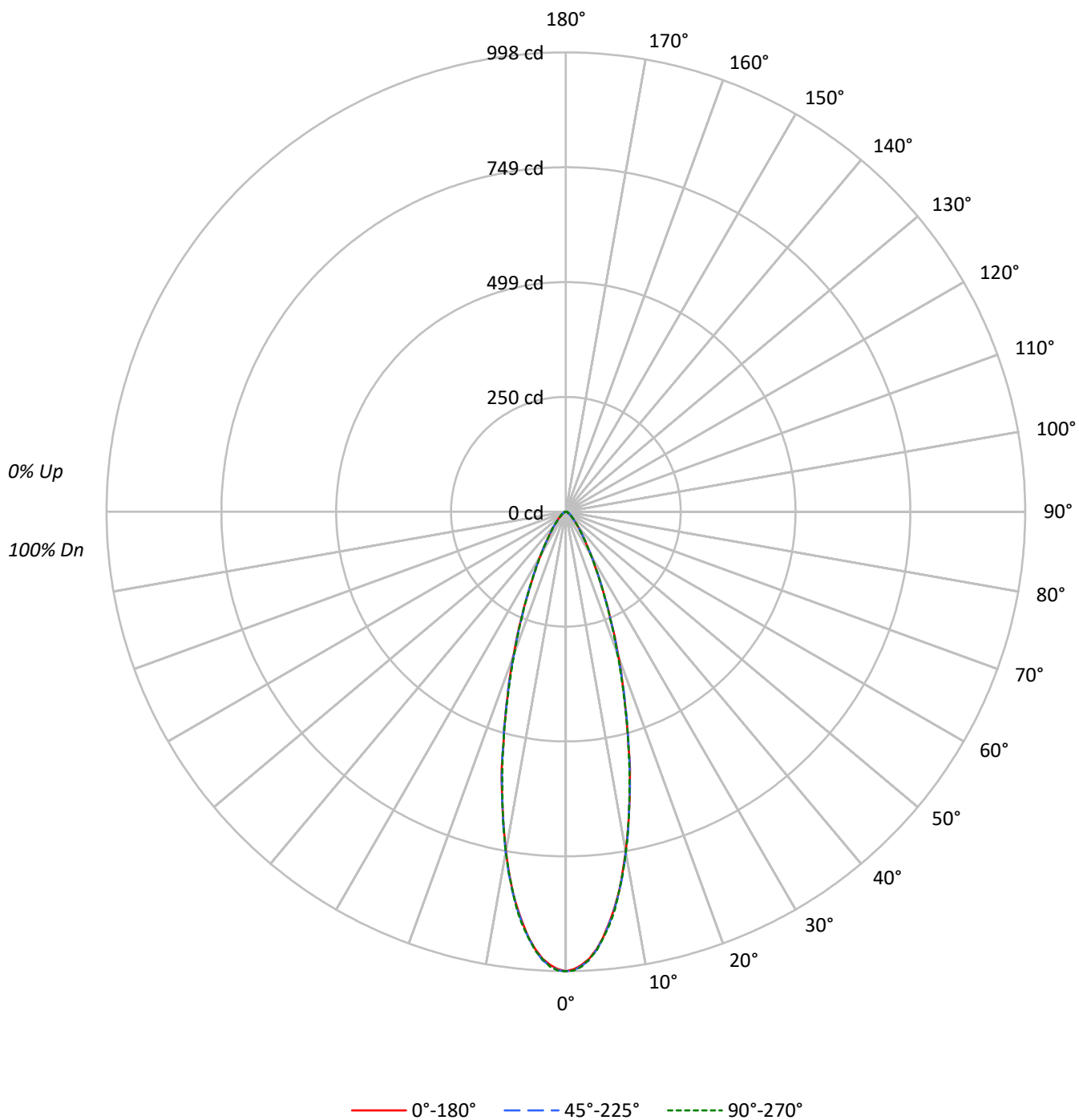
Lumens per Lamp: N/A
Luminaire Lumens: 400.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88	88	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83	83	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79	79	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74	74	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	71	71	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67	67	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64	64	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	62	62	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59	59	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	171930	171930	171930
5°	160485	160641	160727
10°	130897	131299	131299
15°	93499	93999	93499
20°	61196	60591	59729
25°	36371	36561	36371
30°	21915	21915	21816
35°	13351	13456	13351
40°	8498	8611	8611
45°	5918	5918	5918
50°	4260	4367	4367
55°	3363	3363	3513
60°	2721	2893	2893
65°	2486	2486	2486
70°	2115	2115	2367
75°	1863	1863	2196
80°	1884	1884	1884
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5918 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	20.7
10°-20°	144.6	36.2
20°-30°	90.9	22.7
30°-40°	41.6	10.4
40°-50°	19.4	4.9
50°-60°	10.4	2.6
60°-70°	6.2	1.5
70°-80°	3.2	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°	318.5	79.6
0°-40°	360.0	90.0
0°-60°	389.9	97.5
0°-90°	400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	928	930	929	930	930	83
15°	524	528	527	528	524	145
25°	191	194	192	192	191	91
35°	64	64	64	64	64	41
45°	24	24	24	24	24	19
55°	11	11	11	12	12	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°	998.3	998.3	998.3	998.3	998.3
1°	994.1	995.0	996.0	997.4	996.9
2°	984.7	986.6	987.1	989.0	988.5
3°	972.1	971.7	975.4	975.4	973.1
4°	952.5	953.5	954.4	955.3	955.8
5°	928.3	930.1	929.2	930.1	929.7
6°	898.4	901.2	900.7	901.6	903.0
7°	866.6	868.5	868.5	867.6	871.3
8°	832.1	830.7	833.0	832.1	831.6
9°	791.0	793.8	794.2	791.9	792.8
10°	748.5	750.4	750.8	752.2	750.8
11°	706.5	706.5	707.4	709.7	706.0
12°	660.7	664.9	660.7	662.6	660.7
13°	617.3	618.2	617.3	616.8	613.5
14°	576.2	572.9	573.9	570.1	570.6
15°	524.4	527.6	527.2	528.1	524.4
17.5°	421.6	423.5	423.0	422.1	417.4
20°	333.9	333.9	330.6	328.7	325.9
22.5°	254.9	254.0	252.6	251.2	252.1
25°	191.4	193.8	192.4	192.4	191.4
27.5°	144.7	147.5	145.2	143.8	144.7
30°	110.2	111.1	110.2	109.7	109.7
32.5°	83.1	83.6	83.1	83.1	83.1
35°	63.5	63.5	64.0	64.0	63.5
37.5°	49.0	49.0	49.0	49.0	49.5
40°	37.8	38.3	38.3	38.3	38.3
42.5°	29.9	30.4	30.4	30.4	30.4
45°	24.3	24.3	24.3	24.3	24.3
47.5°	19.6	19.6	19.6	19.6	20.1
50°	15.9	16.3	16.3	16.3	16.3
52.5°	13.5	13.5	13.5	13.5	13.5
55°	11.2	11.2	11.2	11.7	11.7
57.5°	9.3	9.3	9.8	9.8	9.8
60°	7.9	8.4	8.4	8.4	8.4
62.5°	7.0	7.0	7.5	7.5	7.5
65°	6.1	6.1	6.1	6.1	6.1
67.5°	5.1	5.1	5.1	5.1	5.6
70°	4.2	4.2	4.2	4.7	4.7
72.5°	3.7	3.7	3.7	3.7	3.7
75°	2.8	2.8	2.8	3.3	3.3
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.9	1.9	1.9	1.9	1.9
82.5°	0.9	0.9	1.4	1.4	1.4
85°	0.5	0.5	0.5	0.5	0.5
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)