

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: P1312234

Luminaire Tested: LDSQA3D05R259050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312234
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: LDSQA3D05R259050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

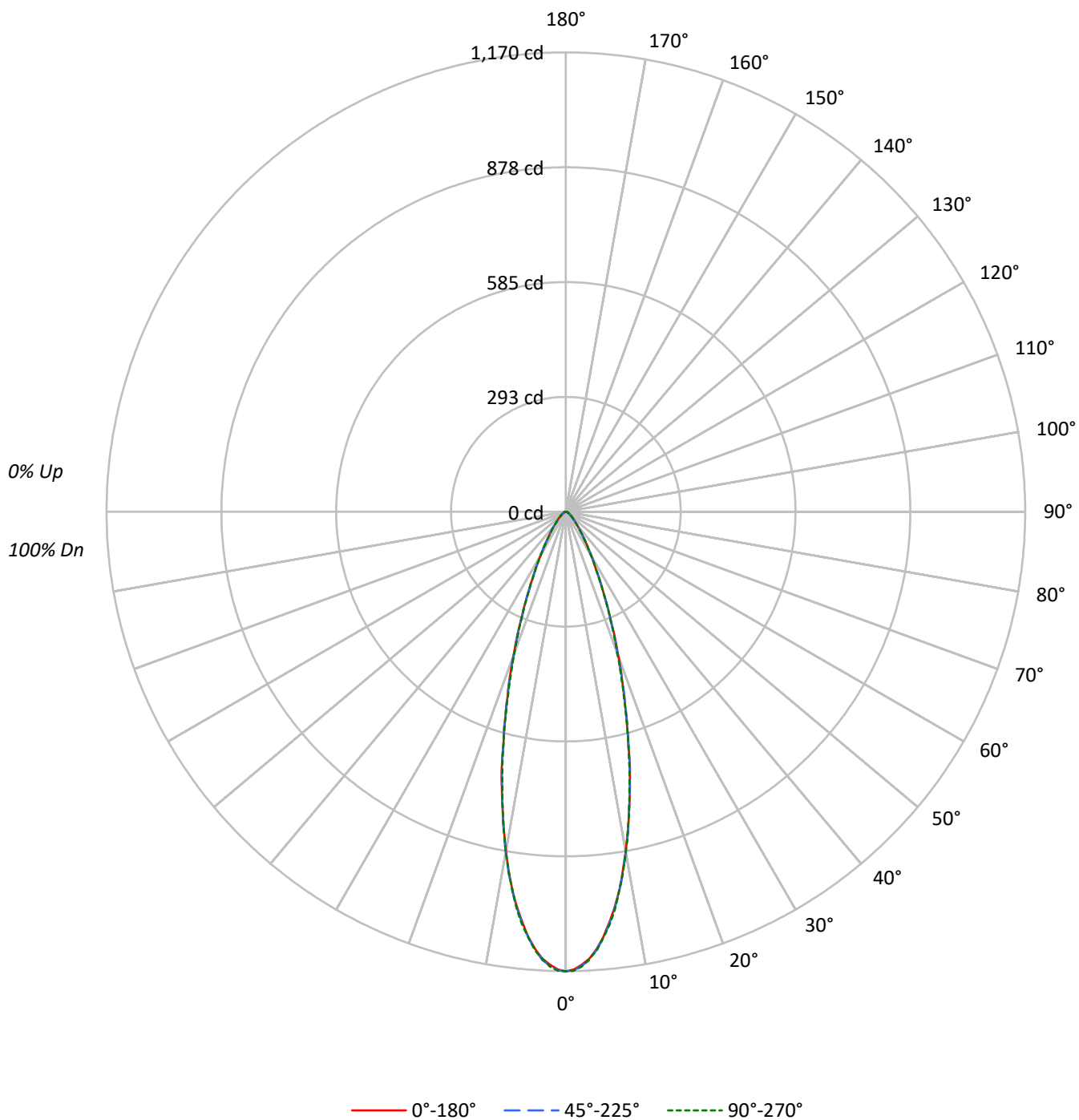
Lumens per Lamp: N/A
Luminaire Lumens: 469.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	72		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°	201587	201587	201587
5°	188163	188353	188440
10°	153474	153946	153946
15°	109618	110206	109618
20°	71734	71038	70030
25°	42661	42870	42661
30°	25693	25693	25594
35°	15663	15768	15663
40°	9960	10094	10094
45°	6941	6941	6941
50°	4984	5144	5144
55°	3933	3933	4114
60°	3203	3410	3410
65°	2893	2893	2893
70°	2467	2467	2769
75°	2196	2196	2529
80°	2182	2182	2182
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6941 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	20.7
10°-20°	169.5	36.2
20°-30°	106.6	22.7
30°-40°	48.8	10.4
40°-50°	22.8	4.9
50°-60°	12.3	2.6
60°-70°	7.2	1.5
70°-80°	3.8	0.8
80°-90°	0.8	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°	373.4	79.6
0°-40°	422.2	90.0
0°-60°	457.2	97.5
0°-90°	469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	469.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1170	1170	1170	1170	1170	
5°	1088	1091	1090	1091	1090	97
15°	615	619	618	619	615	170
25°	224	227	226	226	224	107
35°	74	74	75	75	74	49
45°	28	28	28	28	28	23
55°	13	13	13	14	14	12
65°	7	7	7	7	7	7
75°	3	3	3	4	4	4
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°	1170.5	1170.5	1170.5	1170.5	1170.5
1°	1165.6	1166.7	1167.8	1169.4	1168.9
2°	1154.6	1156.8	1157.4	1159.5	1159.0
3°	1139.8	1139.3	1143.7	1143.7	1140.9
4°	1116.8	1117.9	1119.0	1120.1	1120.7
5°	1088.4	1090.6	1089.5	1090.6	1090.0
6°	1053.3	1056.6	1056.1	1057.2	1058.8
7°	1016.1	1018.3	1018.3	1017.2	1021.6
8°	975.6	974.0	976.7	975.6	975.0
9°	927.4	930.7	931.3	928.5	929.6
10°	877.6	879.8	880.3	882.0	880.3
11°	828.3	828.3	829.4	832.2	827.8
12°	774.7	779.6	774.7	776.9	774.7
13°	723.8	724.9	723.8	723.2	719.4
14°	675.6	671.7	672.8	668.5	669.0
15°	614.8	618.6	618.1	619.2	614.8
17.5°	494.4	496.6	496.0	494.9	489.4
20°	391.4	391.4	387.6	385.4	382.1
22.5°	298.9	297.8	296.2	294.5	295.6
25°	224.5	227.2	225.6	225.6	224.5
27.5°	169.7	173.0	170.3	168.6	169.7
30°	129.2	130.3	129.2	128.7	128.7
32.5°	97.5	98.0	97.5	97.5	97.5
35°	74.5	74.5	75.0	75.0	74.5
37.5°	57.5	57.5	57.5	57.5	58.0
40°	44.3	44.9	44.9	44.9	44.9
42.5°	35.0	35.6	35.6	35.6	35.6
45°	28.5	28.5	28.5	28.5	28.5
47.5°	23.0	23.0	23.0	23.0	23.5
50°	18.6	19.2	19.2	19.2	19.2
52.5°	15.9	15.9	15.9	15.9	15.9
55°	13.1	13.1	13.1	13.7	13.7
57.5°	10.9	10.9	11.5	11.5	11.5
60°	9.3	9.9	9.9	9.9	9.9
62.5°	8.2	8.2	8.8	8.8	8.8
65°	7.1	7.1	7.1	7.1	7.1
67.5°	6.0	6.0	6.0	6.0	6.6
70°	4.9	4.9	4.9	5.5	5.5
72.5°	4.4	4.4	4.4	4.4	4.4
75°	3.3	3.3	3.3	3.8	3.8
77.5°	2.7	2.7	2.7	2.7	2.7
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.6	1.6	1.6
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)