

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: P1310028

Luminaire Tested: LDSQA3D05R259035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310028
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: LDSQA3D05R259035DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

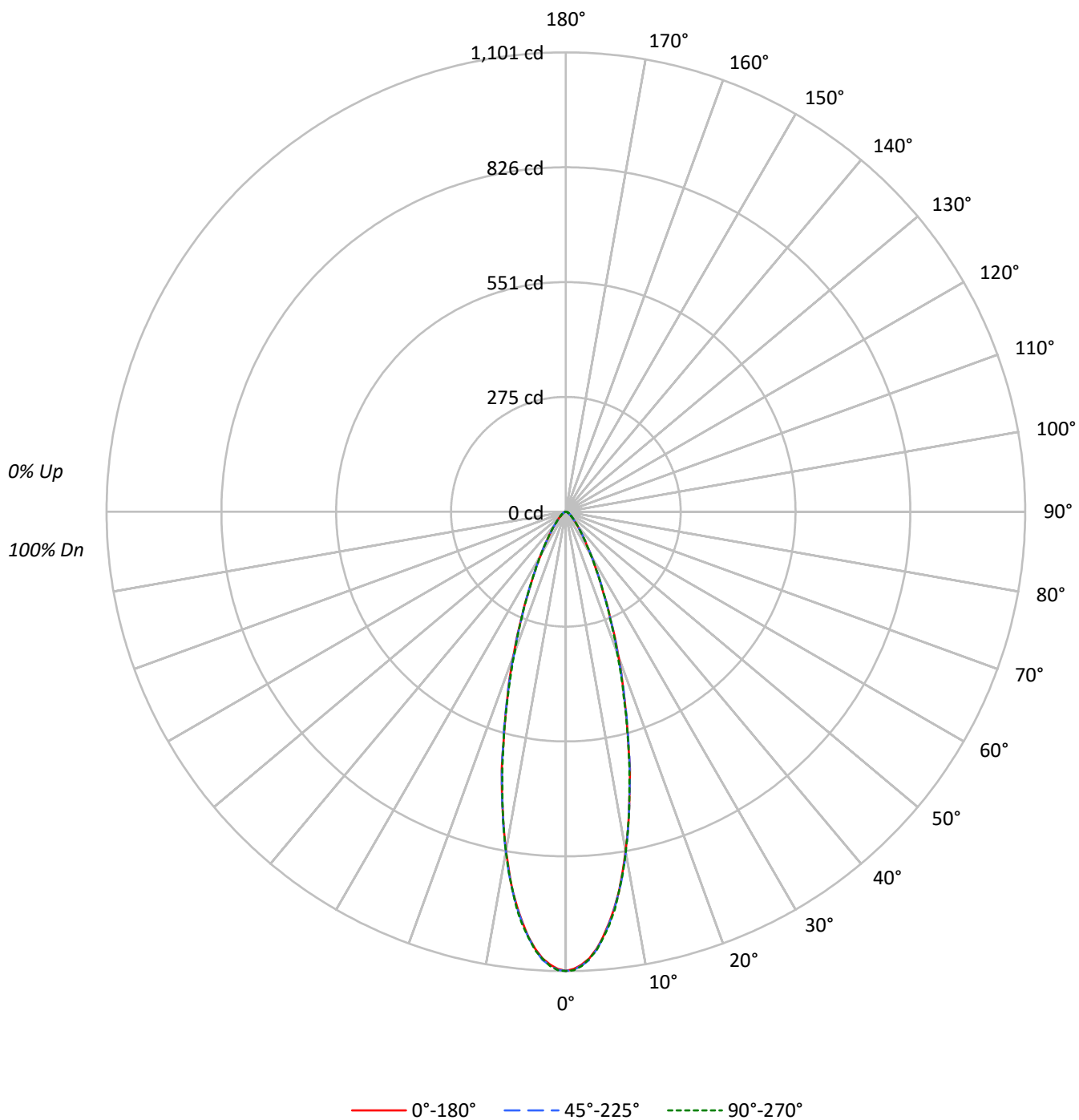
Lumens per Lamp: N/A
Luminaire Lumens: 441.0 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	189548	189548	189548
5°	176926	177099	177185
10°	144311	144765	144765
15°	103074	103627	103074
20°	67464	66804	65851
25°	40115	40305	40115
30°	24162	24162	24063
35°	14717	14822	14717
40°	9375	9487	9487
45°	6527	6527	6527
50°	4689	4823	4823
55°	3723	3723	3873
60°	3031	3203	3203
65°	2730	2730	2730
70°	2316	2316	2568
75°	2063	2063	2396
80°	2083	2083	2083
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6527 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	20.7
10°-20°	159.4	36.1
20°-30°	100.2	22.7
30°-40°	45.8	10.4
40°-50°	21.4	4.9
50°-60°	11.5	2.6
60°-70°	6.8	1.5
70°-80°	3.5	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°	351.1	79.6
0°-40°	397.0	90.0
0°-60°	429.9	97.5
0°-90°	441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1101	1101	1101	1101	1101	
5°	1023	1026	1024	1026	1025	91
15°	578	582	581	582	578	159
25°	211	214	212	212	211	100
35°	70	70	70	70	70	46
45°	27	27	27	27	27	21
55°	12	12	12	13	13	11
65°	7	7	7	7	7	7
75°	3	3	3	4	4	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°	1100.6	1100.6	1100.6	1100.6	1100.6
1°	1096.0	1097.0	1098.0	1099.6	1099.1
2°	1085.7	1087.7	1088.3	1090.3	1089.8
3°	1071.8	1071.3	1075.4	1075.4	1072.8
4°	1050.2	1051.2	1052.2	1053.3	1053.8
5°	1023.4	1025.5	1024.4	1025.5	1024.9
6°	990.5	993.5	993.0	994.1	995.6
7°	955.4	957.5	957.5	956.5	960.6
8°	917.4	915.8	918.4	917.4	916.8
9°	872.0	875.1	875.7	873.1	874.1
10°	825.2	827.3	827.8	829.3	827.8
11°	778.9	778.9	779.9	782.5	778.4
12°	728.4	733.1	728.4	730.5	728.4
13°	680.5	681.6	680.5	680.0	676.4
14°	635.2	631.6	632.7	628.6	629.1
15°	578.1	581.7	581.2	582.2	578.1
17.5°	464.9	466.9	466.4	465.4	460.2
20°	368.1	368.1	364.5	362.4	359.3
22.5°	281.1	280.0	278.5	277.0	278.0
25°	211.1	213.6	212.1	212.1	211.1
27.5°	159.6	162.7	160.1	158.6	159.6
30°	121.5	122.5	121.5	121.0	121.0
32.5°	91.6	92.1	91.6	91.6	91.6
35°	70.0	70.0	70.5	70.5	70.0
37.5°	54.1	54.1	54.1	54.1	54.6
40°	41.7	42.2	42.2	42.2	42.2
42.5°	32.9	33.5	33.5	33.5	33.5
45°	26.8	26.8	26.8	26.8	26.8
47.5°	21.6	21.6	21.6	21.6	22.1
50°	17.5	18.0	18.0	18.0	18.0
52.5°	14.9	14.9	14.9	14.9	14.9
55°	12.4	12.4	12.4	12.9	12.9
57.5°	10.3	10.3	10.8	10.8	10.8
60°	8.8	9.3	9.3	9.3	9.3
62.5°	7.7	7.7	8.2	8.2	8.2
65°	6.7	6.7	6.7	6.7	6.7
67.5°	5.7	5.7	5.7	5.7	6.2
70°	4.6	4.6	4.6	5.1	5.1
72.5°	4.1	4.1	4.1	4.1	4.1
75°	3.1	3.1	3.1	3.6	3.6
77.5°	2.6	2.6	2.6	2.6	2.6
80°	2.1	2.1	2.1	2.1	2.1
82.5°	1.0	1.0	1.5	1.5	1.5
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)