

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: P1317146

Luminaire Tested: LDSQA3D05R159827DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159827DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

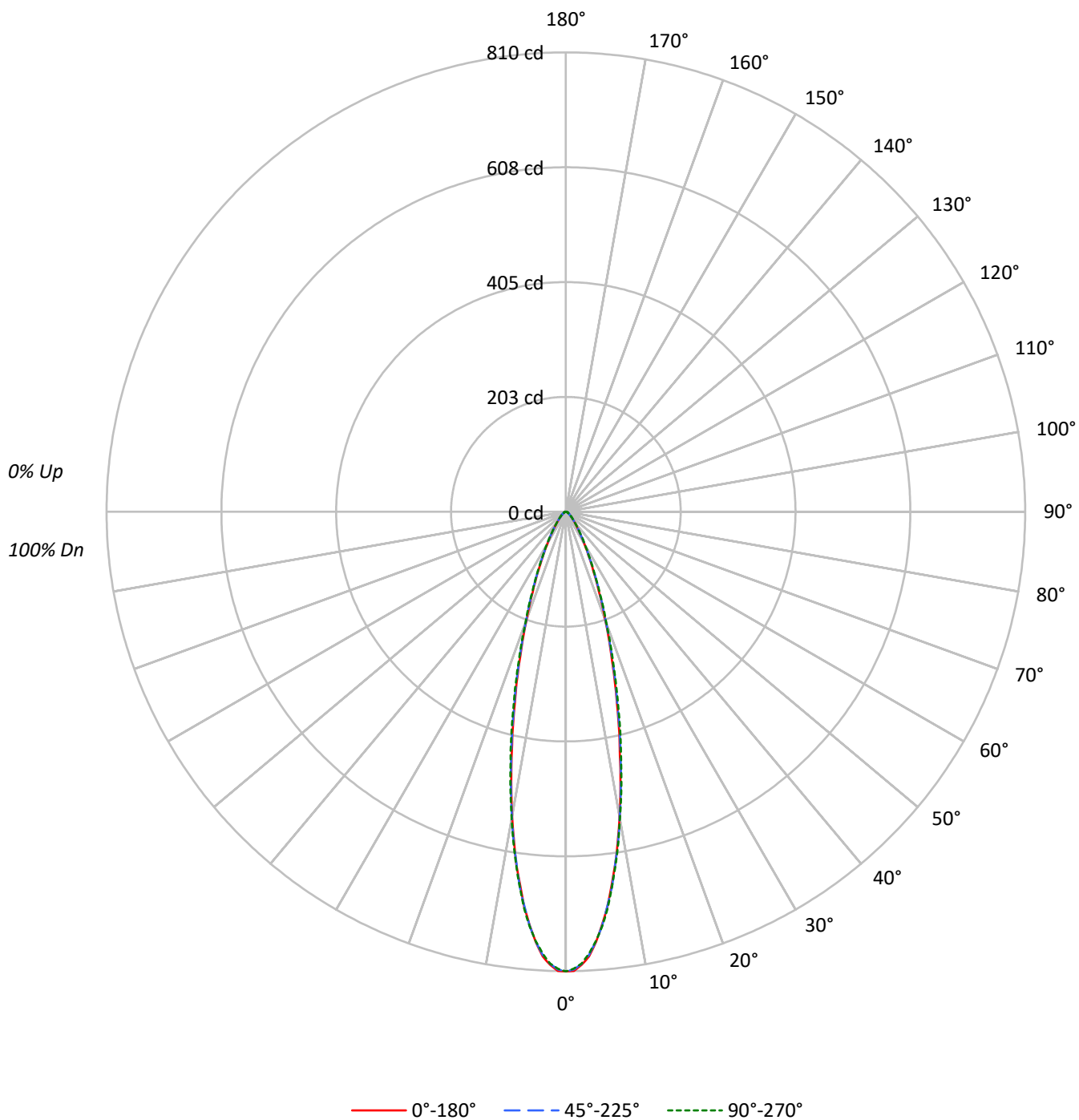
Lumens per Lamp: N/A
Luminaire Lumens: 268.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	71	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	139569	139569	139569
5°	126428	126652	126842
10°	95449	95694	96166
15°	61905	62583	63813
20°	37278	37718	38213
25°	21777	22233	22556
30°	12807	13205	13404
35°	7884	8179	8326
40°	5193	5328	5418
45°	3605	3678	3775
50°	2679	2760	2867
55°	2162	2282	2282
60°	1894	1894	1894
65°	1671	1671	1671
70°	1410	1561	1561
75°	1397	1397	1397
80°	992	1389	1389
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	23.8
10°-20°	97.6	36.4
20°-30°	55.5	20.7
30°-40°	25.3	9.4
40°-50°	12.1	4.5
50°-60°	6.8	2.5
60°-70°	4.1	1.5
70°-80°	2.2	0.8
80°-90°	0.5	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°	216.9	80.9
0°-40°	242.2	90.4
0°-60°	261.2	97.5
0°-90°	268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	731	731	733	733	734	64
15°	347	349	351	356	358	96
25°	115	115	117	118	119	54
35°	38	38	39	40	40	25
45°	15	15	15	16	16	12
55°	7	7	8	8	8	7
65°	4	4	4	4	4	4
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°	810.4	810.4	810.4	810.4	810.4
1°	809.7	807.7	807.0	806.6	805.9
2°	799.4	797.7	797.3	797.3	797.0
3°	784.9	781.9	782.2	781.2	780.1
4°	760.5	759.1	759.8	760.5	759.1
5°	731.3	730.9	732.6	732.6	733.7
6°	701.0	700.6	699.6	702.4	703.7
7°	662.4	664.5	667.3	665.9	666.9
8°	627.3	624.9	626.0	629.4	629.7
9°	586.0	584.3	588.8	590.2	590.5
10°	545.8	547.5	547.2	552.0	549.9
12.5°	440.8	443.6	446.7	448.7	450.8
15°	347.2	348.9	351.0	355.8	357.9
17.5°	267.0	269.1	271.2	275.3	276.0
20°	203.4	204.4	205.8	209.6	208.5
22.5°	152.1	153.8	155.2	156.9	158.0
25°	114.6	114.6	117.0	118.0	118.7
27.5°	85.3	86.0	87.8	89.1	88.8
30°	64.4	65.4	66.4	67.1	67.4
32.5°	49.6	49.6	50.6	51.6	52.0
35°	37.5	38.2	38.9	39.6	39.6
37.5°	29.3	29.6	30.3	30.6	30.6
40°	23.1	23.1	23.7	24.1	24.1
42.5°	18.2	18.6	18.9	19.3	19.3
45°	14.8	14.8	15.1	15.5	15.5
47.5°	12.0	12.0	12.4	12.7	12.7
50°	10.0	10.3	10.3	10.7	10.7
52.5°	8.6	8.6	8.6	8.9	8.9
55°	7.2	7.2	7.6	7.6	7.6
57.5°	6.2	6.2	6.2	6.5	6.5
60°	5.5	5.5	5.5	5.5	5.5
62.5°	4.8	4.8	4.8	4.8	4.8
65°	4.1	4.1	4.1	4.1	4.1
67.5°	3.4	3.4	3.4	3.8	3.8
70°	2.8	3.1	3.1	3.1	3.1
72.5°	2.4	2.4	2.4	2.4	2.4
75°	2.1	2.1	2.1	2.1	2.1
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.0	1.4	1.4	1.4	1.4
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)