

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: P1324007

Luminaire Tested: LDSQA3D17R159030D2WDE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324007
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: LDSQA3D17R159030D2WDE010 3LSQPHRL1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

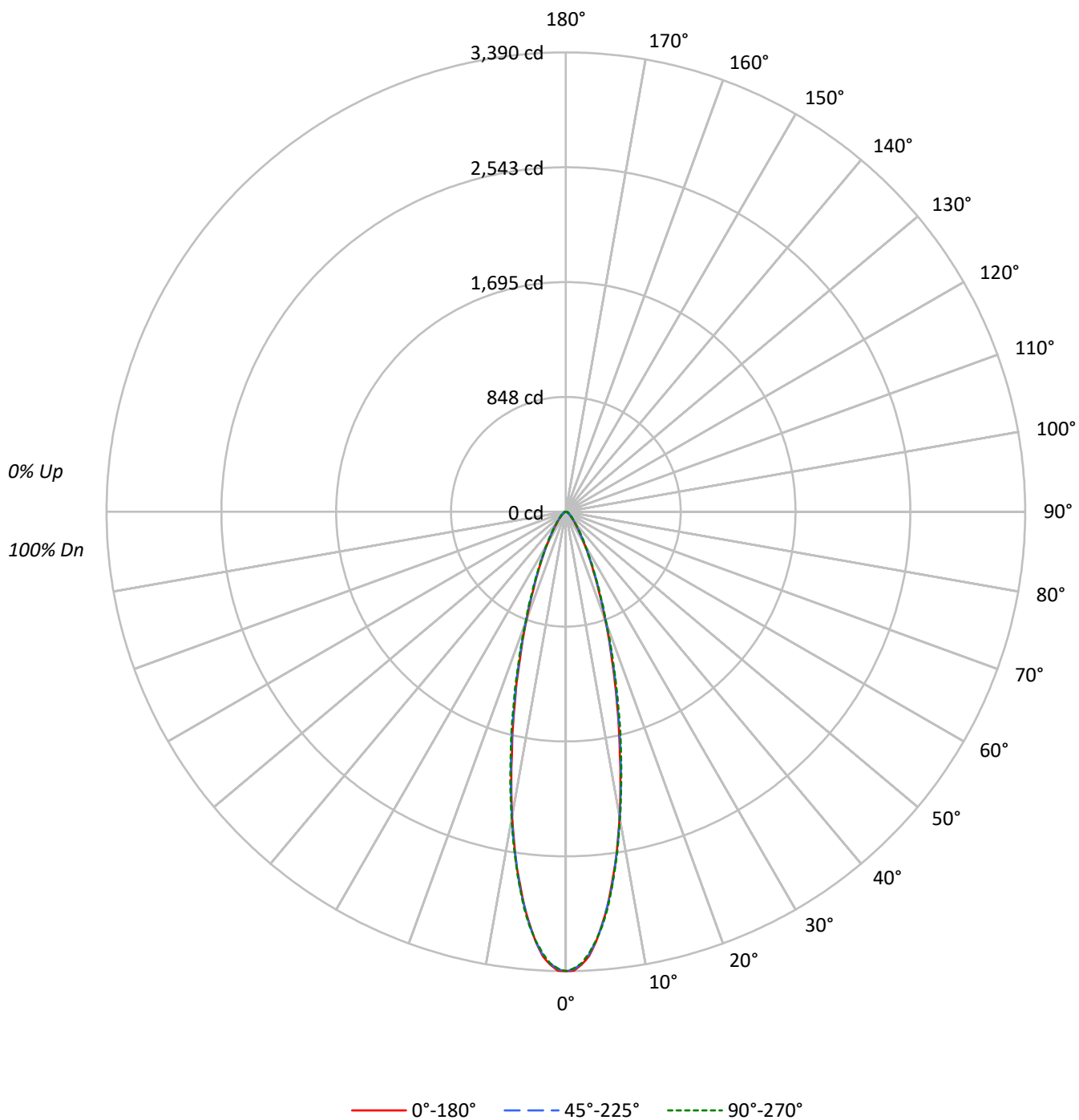
Lumens per Lamp: N/A
Luminaire Lumens: 1121.0 lumens
Efficiency: N/A
Efficacy: 41.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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

TEST NUMBER: P1324007

CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQPHRL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1324007

CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQPHRL1MMS

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	70	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°	583800	583800	583800
5°	528807	529792	530536
10°	399232	400247	402258
15°	258960	261777	266912
20°	155912	157764	159871
25°	91080	92999	94367
30°	53535	55245	56100
35°	32987	34207	34796
40°	21673	22325	22662
45°	15076	15417	15783
50°	11173	11575	11950
55°	9068	9518	9518
60°	7922	7922	7922
65°	7050	7050	7050
70°	5791	6546	6546
75°	5723	5723	5723
80°	4265	5752	5752
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 15783 cd/sqm

TEST NUMBER: P1324007

CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQPHRL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.0	23.8
10°-20°	408.3	36.4
20°-30°	232.1	20.7
30°-40°	105.9	9.4
40°-50°	50.8	4.5
50°-60°	28.4	2.5
60°-70°	17.4	1.6
70°-80°	9.3	0.8
80°-90°	2.0	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°	907.3	80.9
0°-40°	1013.2	90.4
0°-60°	1092.4	97.4
0°-90°	1121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1121.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3390	3390	3390	3390	3390	
5°	3059	3057	3064	3064	3069	267
15°	1452	1460	1468	1488	1497	403
25°	479	479	489	494	497	227
35°	157	160	163	166	166	103
45°	62	62	63	65	65	49
55°	30	30	32	32	32	28
65°	17	17	17	17	17	17
75°	9	9	9	9	9	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

TEST NUMBER: P1324007

CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3389.8	3389.8	3389.8	3389.8	3389.8
1°	3387.0	3378.3	3375.4	3374.0	3371.1
2°	3343.8	3336.6	3335.1	3335.1	3333.7
3°	3283.3	3270.4	3271.8	3267.5	3263.2
4°	3181.1	3175.4	3178.2	3181.1	3175.4
5°	3058.8	3057.3	3064.5	3064.5	3068.8
6°	2932.1	2930.7	2926.3	2937.9	2943.6
7°	2770.9	2779.5	2791.0	2785.3	2789.6
8°	2624.1	2614.0	2618.3	2632.7	2634.1
9°	2451.3	2444.1	2462.8	2468.6	2470.0
10°	2282.9	2290.1	2288.7	2308.8	2300.2
12.5°	1843.9	1855.4	1868.4	1877.0	1885.6
15°	1452.4	1459.6	1468.2	1488.4	1497.0
17.5°	1117.0	1125.6	1134.3	1151.5	1154.4
20°	850.7	855.0	860.8	876.6	872.3
22.5°	636.2	643.4	649.2	656.4	660.7
25°	479.3	479.3	489.4	493.7	496.6
27.5°	357.0	359.9	367.1	372.8	371.4
30°	269.2	273.5	277.8	280.7	282.1
32.5°	207.3	207.3	211.6	215.9	217.4
35°	156.9	159.8	162.7	165.5	165.5
37.5°	122.4	123.8	126.7	128.1	128.1
40°	96.4	96.4	99.3	100.8	100.8
42.5°	76.3	77.7	79.2	80.6	80.6
45°	61.9	61.9	63.3	64.8	64.8
47.5°	50.4	50.4	51.8	53.3	53.3
50°	41.7	43.2	43.2	44.6	44.6
52.5°	36.0	36.0	36.0	37.4	37.4
55°	30.2	30.2	31.7	31.7	31.7
57.5°	25.9	25.9	25.9	27.3	27.3
60°	23.0	23.0	23.0	23.0	23.0
62.5°	20.2	20.2	20.2	20.2	20.2
65°	17.3	17.3	17.3	17.3	17.3
67.5°	14.4	14.4	14.4	15.8	15.8
70°	11.5	13.0	13.0	13.0	13.0
72.5°	10.1	10.1	10.1	10.1	10.1
75°	8.6	8.6	8.6	8.6	8.6
77.5°	7.2	7.2	7.2	7.2	7.2
80°	4.3	5.8	5.8	5.8	5.8
82.5°	2.9	2.9	2.9	2.9	2.9
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)