

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: P1309361

Luminaire Tested: LDSQA3D17R159030DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309361
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: LDSQA3D17R159030DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

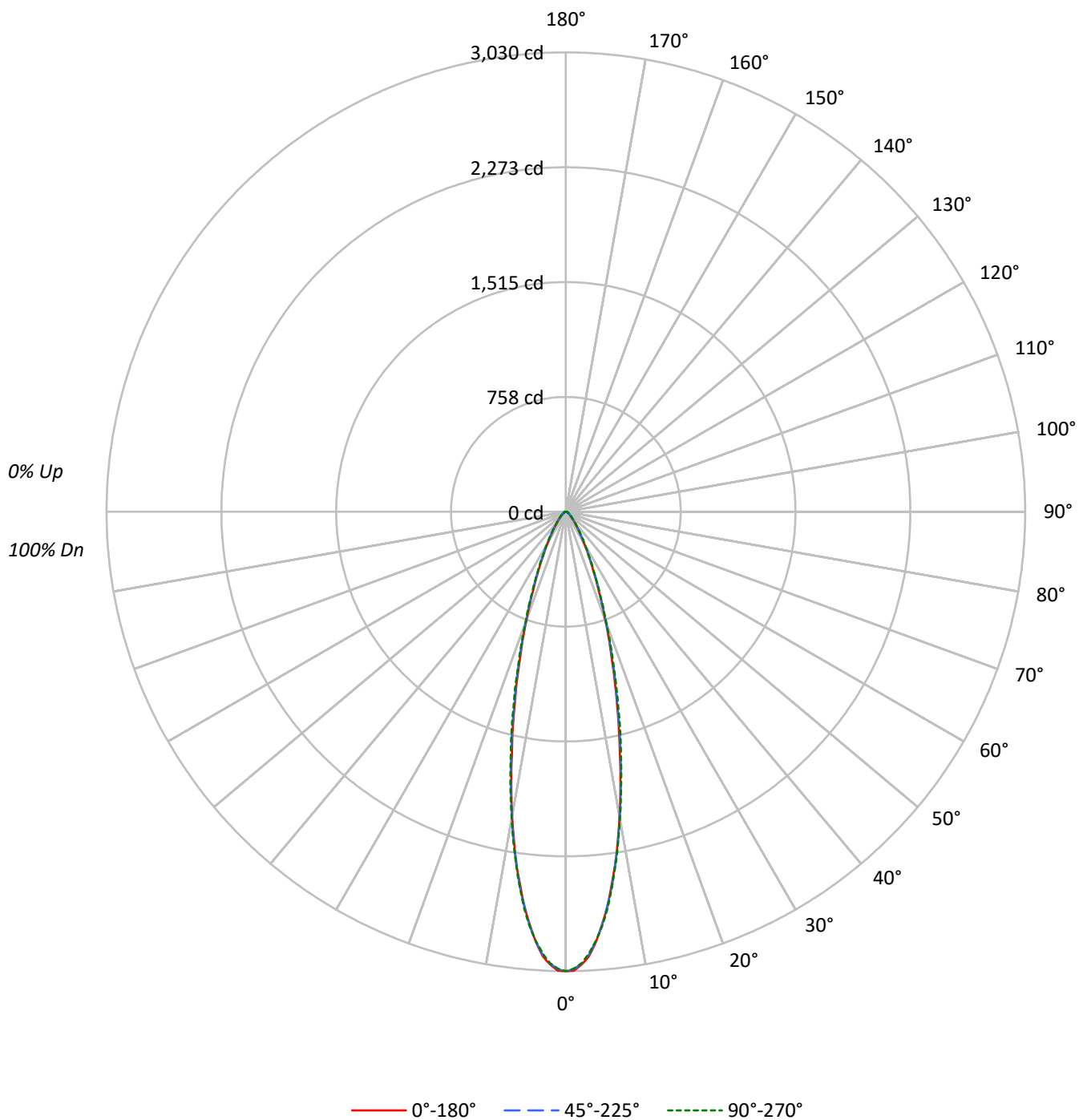
Lumens per Lamp: N/A
Luminaire Lumens: 1002.0 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	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°	521835	521835	521835
5°	472673	473554	474229
10°	356859	357751	359552
15°	231466	233980	238581
20°	139363	141012	142900
25°	81407	83118	84353
30°	47847	49378	50154
35°	29476	30570	31116
40°	19380	19964	20256
45°	13469	13785	14102
50°	9994	10342	10690
55°	8107	8497	8497
60°	7096	7096	7096
65°	6276	6276	6276
70°	5187	5841	5841
75°	5124	5124	5124
80°	3868	5058	5058
85°	2569	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 14102 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.7	23.8
10°-20°	364.9	36.4
20°-30°	207.4	20.7
30°-40°	94.6	9.4
40°-50°	45.4	4.5
50°-60°	25.4	2.5
60°-70°	15.5	1.5
70°-80°	8.3	0.8
80°-90°	1.8	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°	811.0	80.9
0°-40°	905.7	90.4
0°-60°	976.4	97.4
0°-90°	1002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3030	3030	3030	3030	3030	
5°	2734	2733	2739	2739	2743	238
15°	1298	1305	1312	1330	1338	360
25°	428	428	437	441	444	203
35°	140	143	145	148	148	92
45°	55	55	57	58	58	44
55°	27	27	28	28	28	25
65°	15	15	15	15	15	15
75°	8	8	8	8	8	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3030.0	3030.0	3030.0	3030.0	3030.0
1°	3027.4	3019.7	3017.1	3015.8	3013.3
2°	2988.8	2982.4	2981.1	2981.1	2979.8
3°	2934.8	2923.2	2924.5	2920.6	2916.8
4°	2843.4	2838.3	2840.8	2843.4	2838.3
5°	2734.1	2732.8	2739.2	2739.2	2743.1
6°	2620.8	2619.6	2615.7	2626.0	2631.1
7°	2476.7	2484.5	2494.7	2489.6	2493.5
8°	2345.5	2336.5	2340.4	2353.2	2354.5
9°	2191.1	2184.7	2201.4	2206.5	2207.8
10°	2040.6	2047.0	2045.7	2063.7	2056.0
12.5°	1648.2	1658.4	1670.0	1677.7	1685.5
15°	1298.2	1304.6	1312.3	1330.4	1338.1
17.5°	998.4	1006.1	1013.9	1029.3	1031.9
20°	760.4	764.3	769.4	783.5	779.7
22.5°	568.7	575.1	580.3	586.7	590.6
25°	428.4	428.4	437.4	441.3	443.9
27.5°	319.1	321.7	328.1	333.2	331.9
30°	240.6	244.5	248.3	250.9	252.2
32.5°	185.3	185.3	189.1	193.0	194.3
35°	140.2	142.8	145.4	148.0	148.0
37.5°	109.4	110.6	113.2	114.5	114.5
40°	86.2	86.2	88.8	90.1	90.1
42.5°	68.2	69.5	70.8	72.1	72.1
45°	55.3	55.3	56.6	57.9	57.9
47.5°	45.0	45.0	46.3	47.6	47.6
50°	37.3	38.6	38.6	39.9	39.9
52.5°	32.2	32.2	32.2	33.5	33.5
55°	27.0	27.0	28.3	28.3	28.3
57.5°	23.2	23.2	23.2	24.4	24.4
60°	20.6	20.6	20.6	20.6	20.6
62.5°	18.0	18.0	18.0	18.0	18.0
65°	15.4	15.4	15.4	15.4	15.4
67.5°	12.9	12.9	12.9	14.2	14.2
70°	10.3	11.6	11.6	11.6	11.6
72.5°	9.0	9.0	9.0	9.0	9.0
75°	7.7	7.7	7.7	7.7	7.7
77.5°	6.4	6.4	6.4	6.4	6.4
80°	3.9	5.1	5.1	5.1	5.1
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)