

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: P1312204

Luminaire Tested: LDSQA3D05R159050DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159050DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

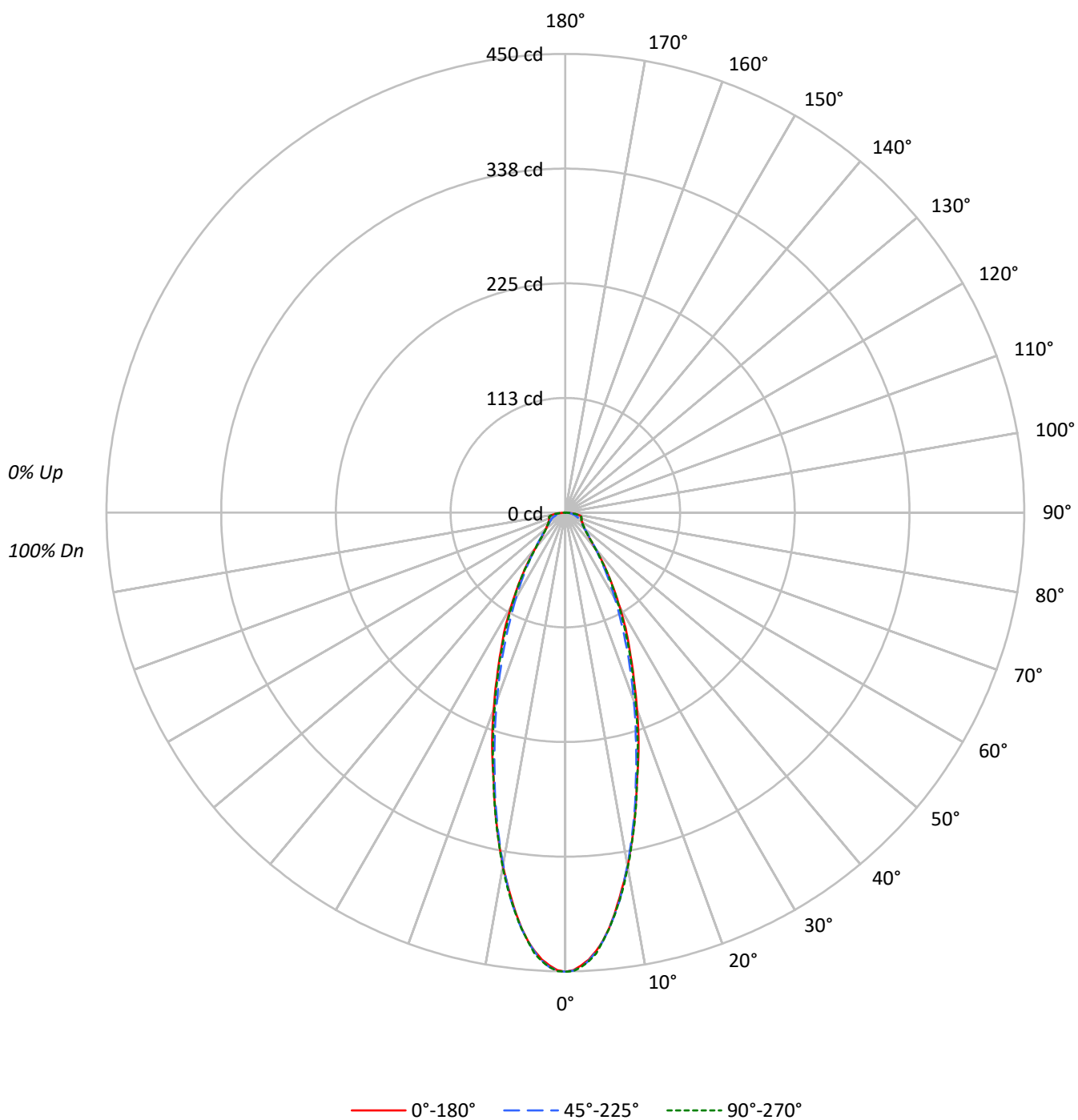
Lumens per Lamp: N/A
Luminaire Lumens: 302.0 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1312204

CATALOG NUMBER: LDSQA3D05R159050DE010 3LSQPHRLP1MW

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	77586	77586	77586
5°	72869	72956	72956
10°	61558	61365	61750
15°	48408	47730	48497
20°	37626	35922	37113
25°	28390	26414	27972
30°	21120	19270	20682
35°	15075	14044	14843
40°	10207	10342	10094
45°	7599	7989	7599
50°	6591	6591	6591
55°	6396	6095	6396
60°	6613	6028	6407
65°	7131	6235	7131
70°	8560	6345	8560
75°	10913	6588	10913
80°	13588	7042	12992
85°	10868	6521	11856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 13588 cd/sqm

TEST NUMBER: P1312204

CATALOG NUMBER: LDSQA3D05R159050DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	12.6
10°-20°	75.1	24.9
20°-30°	66.4	22.0
30°-40°	43.6	14.4
40°-50°	25.5	8.4
50°-60°	18.8	6.2
60°-70°	16.0	5.3
70°-80°	13.2	4.4
80°-90°	5.5	1.8
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°	179.5	59.4
0°-40°	223.1	73.9
0°-60°	267.4	88.5
0°-90°	302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	302.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	450	450	450	450	450	
5°	422	422	422	423	422	38
15°	272	272	268	271	272	76
25°	149	144	139	143	147	69
35°	72	69	67	68	71	45
45°	31	32	33	32	31	25
55°	21	21	20	21	21	19
65°	18	16	15	16	18	18
75°	16	12	10	13	16	17
85°	6	6	3	6	6	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	450.5	450.5	450.5	450.5	450.5
1°	448.9	449.4	449.4	449.9	449.9
2°	444.5	445.6	446.1	446.1	446.1
3°	439.0	439.5	440.1	440.6	440.6
4°	431.3	431.9	431.9	433.0	433.5
5°	421.5	421.5	422.0	422.6	422.0
6°	410.0	410.0	410.5	410.5	410.5
7°	396.3	396.8	397.4	397.9	397.4
8°	381.5	382.1	383.7	383.7	383.2
9°	366.7	367.3	367.3	368.9	368.9
10°	352.0	352.0	350.9	352.0	353.1
12.5°	312.0	311.5	309.8	311.5	312.6
15°	271.5	271.5	267.7	271.0	272.0
17.5°	238.7	233.7	229.9	233.2	235.9
20°	205.3	200.3	196.0	199.2	202.5
22.5°	175.2	171.3	165.9	169.1	173.0
25°	149.4	144.5	139.0	142.9	147.2
27.5°	128.1	121.5	116.0	120.4	124.3
30°	106.2	101.8	96.9	100.2	104.0
32.5°	87.6	84.3	80.5	83.2	86.5
35°	71.7	69.0	66.8	68.4	70.6
37.5°	57.5	56.4	55.3	55.8	55.8
40°	45.4	46.0	46.0	46.0	44.9
42.5°	37.2	37.8	38.9	37.8	37.2
45°	31.2	31.7	32.8	31.7	31.2
47.5°	27.4	27.9	28.5	27.4	27.4
50°	24.6	24.6	24.6	24.6	24.6
52.5°	23.0	22.4	22.4	22.4	23.0
55°	21.3	20.8	20.3	20.8	21.3
57.5°	19.7	19.2	18.6	19.2	19.7
60°	19.2	18.1	17.5	18.1	18.6
62.5°	18.1	17.0	16.4	17.0	18.1
65°	17.5	15.9	15.3	15.9	17.5
67.5°	17.0	14.8	13.7	14.8	17.0
70°	17.0	13.7	12.6	14.2	17.0
72.5°	16.4	13.1	10.9	13.1	16.4
75°	16.4	12.0	9.9	12.6	16.4
77.5°	15.3	10.9	8.2	11.5	15.3
80°	13.7	9.9	7.1	10.4	13.1
82.5°	9.9	8.2	5.5	8.2	9.9
85°	5.5	6.0	3.3	5.5	6.0
87.5°	0.5	1.6	1.1	3.3	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)