

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: P1315255

Luminaire Tested: LDSQA3D05R159735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315255
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: LDSQA3D05R159735DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

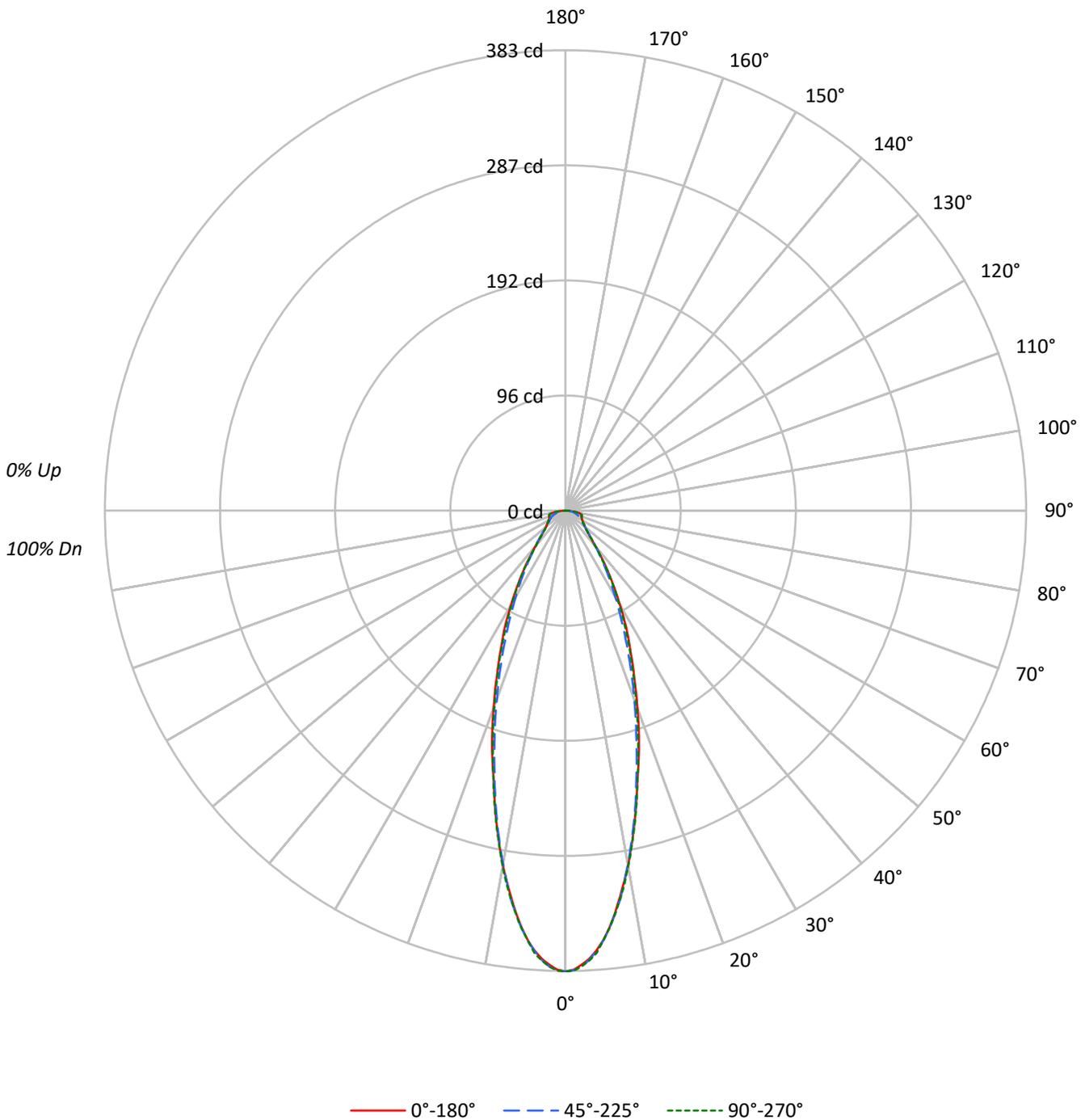
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 257.0 lumens
Efficiency: N/A
Efficacy: 35.7 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	66030	66030	66030
5°	62012	62081	62081
10°	52376	52219	52551
15°	41187	40616	41276
20°	32018	30570	31597
25°	24171	22480	23810
30°	17977	16387	17600
35°	12825	11942	12636
40°	8701	8790	8588
45°	6479	6795	6479
50°	5627	5627	5627
55°	5465	5164	5465
60°	5614	5132	5442
65°	6072	5298	6072
70°	7251	5388	7251
75°	9316	5590	9316
80°	11505	6050	11108
85°	9287	5533	10078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 11505 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	12.6
10°-20°	63.9	24.9
20°-30°	56.5	22.0
30°-40°	37.1	14.4
40°-50°	21.7	8.4
50°-60°	16.0	6.2
60°-70°	13.6	5.3
70°-80°	11.2	4.4
80°-90°	4.7	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°	152.7	59.4
0°-40°	189.9	73.9
0°-60°	227.5	88.5
0°-90°	257.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	257.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	383	383	383	383	383	
5°	359	359	359	360	359	32
15°	231	231	228	231	232	65
25°	127	123	118	122	125	59
35°	61	59	57	58	60	38
45°	27	27	28	27	27	21
55°	18	18	17	18	18	16
65°	15	14	13	14	15	15
75°	14	10	8	11	14	14
85°	5	5	3	5	5	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	383.4	383.4	383.4	383.4	383.4
1°	382.0	382.4	382.4	382.9	382.9
2°	378.2	379.2	379.6	379.6	379.6
3°	373.6	374.0	374.5	375.0	375.0
4°	367.1	367.5	367.5	368.5	368.9
5°	358.7	358.7	359.1	359.6	359.1
6°	348.9	348.9	349.4	349.4	349.4
7°	337.3	337.7	338.2	338.6	338.2
8°	324.7	325.1	326.5	326.5	326.1
9°	312.1	312.6	312.6	314.0	314.0
10°	299.5	299.5	298.6	299.5	300.5
12.5°	265.5	265.0	263.7	265.0	266.0
15°	231.0	231.0	227.8	230.6	231.5
17.5°	203.1	198.9	195.6	198.4	200.8
20°	174.7	170.5	166.8	169.6	172.4
22.5°	149.1	145.8	141.1	143.9	147.2
25°	127.2	123.0	118.3	121.6	125.3
27.5°	109.0	103.4	98.8	102.5	105.7
30°	90.4	86.6	82.4	85.2	88.5
32.5°	74.5	71.7	68.5	70.8	73.6
35°	61.0	58.7	56.8	58.2	60.1
37.5°	48.9	48.0	47.0	47.5	47.5
40°	38.7	39.1	39.1	39.1	38.2
42.5°	31.7	32.1	33.1	32.1	31.7
45°	26.6	27.0	27.9	27.0	26.6
47.5°	23.3	23.8	24.2	23.3	23.3
50°	21.0	21.0	21.0	21.0	21.0
52.5°	19.6	19.1	19.1	19.1	19.6
55°	18.2	17.7	17.2	17.7	18.2
57.5°	16.8	16.3	15.8	16.3	16.8
60°	16.3	15.4	14.9	15.4	15.8
62.5°	15.4	14.4	14.0	14.4	15.4
65°	14.9	13.5	13.0	13.5	14.9
67.5°	14.4	12.6	11.6	12.6	14.4
70°	14.4	11.6	10.7	12.1	14.4
72.5°	14.0	11.2	9.3	11.2	14.0
75°	14.0	10.2	8.4	10.7	14.0
77.5°	13.0	9.3	7.0	9.8	13.0
80°	11.6	8.4	6.1	8.9	11.2
82.5°	8.4	7.0	4.7	7.0	8.4
85°	4.7	5.1	2.8	4.7	5.1
87.5°	0.5	1.4	0.9	2.8	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)