

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: P1307762

Luminaire Tested: LDSQA3D05R159027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307762
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: LDSQA3D05R159027DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

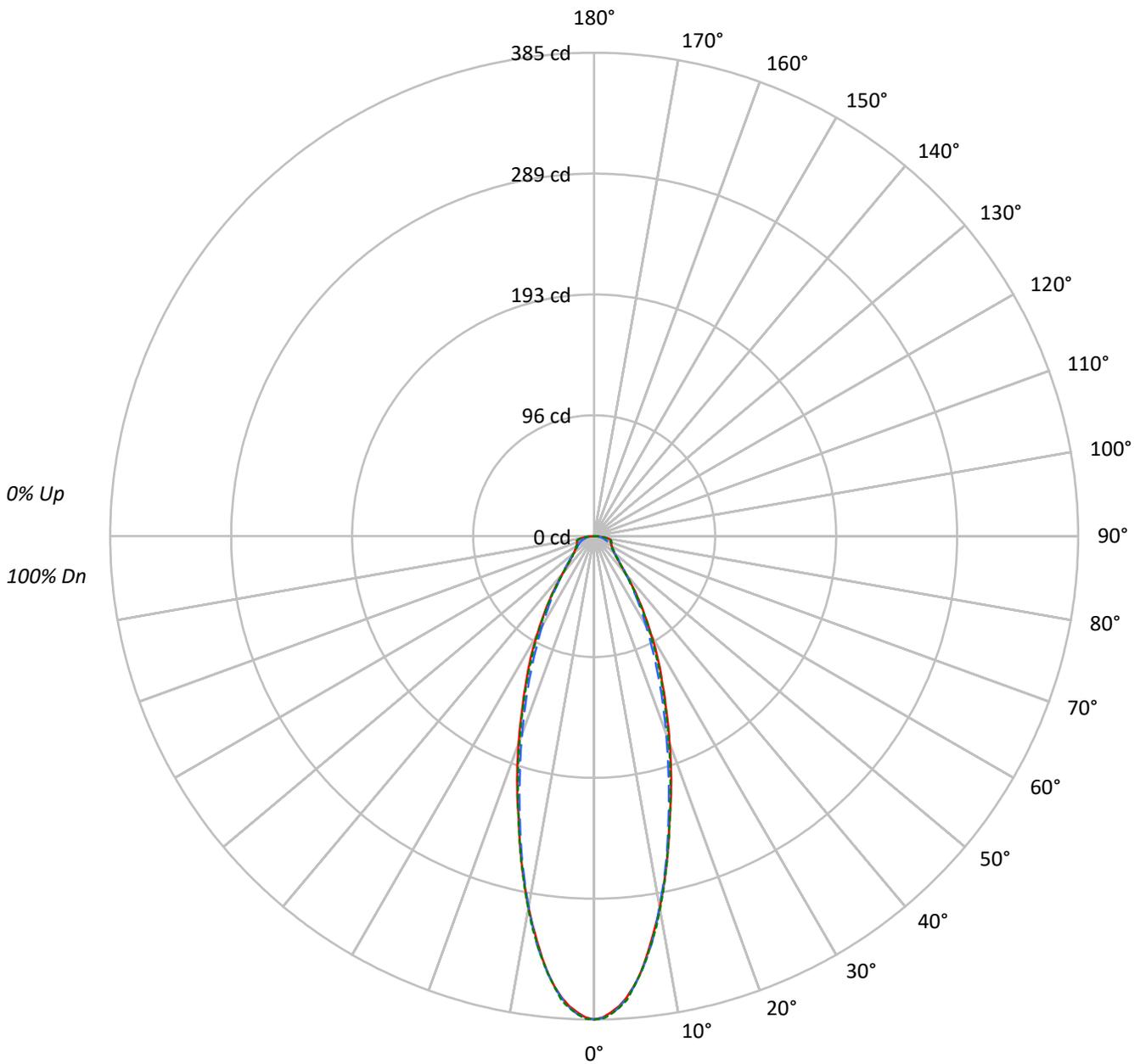
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 258.0 lumens
Efficiency: N/A
Efficacy: 35.8 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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°	66288	66288	66288
5°	62254	62323	62323
10°	52586	52411	52744
15°	41347	40777	41436
20°	32147	30680	31707
25°	24266	22575	23905
30°	18037	16466	17659
35°	12888	12005	12678
40°	8723	8835	8611
45°	6503	6844	6503
50°	5627	5627	5627
55°	5465	5195	5465
60°	5649	5167	5477
65°	6113	5338	6113
70°	7301	5438	7301
75°	9316	5590	9316
80°	11604	6050	11108
85°	9287	5533	10078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 11604 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	12.6
10°-20°	64.2	24.9
20°-30°	56.7	22.0
30°-40°	37.3	14.4
40°-50°	21.8	8.4
50°-60°	16.0	6.2
60°-70°	13.7	5.3
70°-80°	11.3	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°	153.3	59.4
0°-40°	190.6	73.9
0°-60°	228.4	88.5
0°-90°	258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	385	385	385	385	385	
5°	360	360	360	361	360	32
15°	232	232	229	232	232	65
25°	128	124	119	122	126	59
35°	61	59	57	58	60	39
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°	384.9	384.9	384.9	384.9	384.9
1°	383.5	383.9	383.9	384.4	384.4
2°	379.7	380.6	381.1	381.1	381.1
3°	375.0	375.5	376.0	376.4	376.4
4°	368.5	369.0	369.0	369.9	370.4
5°	360.1	360.1	360.5	361.0	360.5
6°	350.3	350.3	350.7	350.7	350.7
7°	338.6	339.0	339.5	340.0	339.5
8°	325.9	326.4	327.8	327.8	327.3
9°	313.3	313.8	313.8	315.2	315.2
10°	300.7	300.7	299.7	300.7	301.6
12.5°	266.5	266.1	264.7	266.1	267.0
15°	231.9	231.9	228.7	231.5	232.4
17.5°	203.9	199.7	196.4	199.2	201.5
20°	175.4	171.2	167.4	170.2	173.0
22.5°	149.6	146.4	141.7	144.5	147.8
25°	127.7	123.5	118.8	122.1	125.8
27.5°	109.4	103.8	99.1	102.9	106.2
30°	90.7	87.0	82.8	85.6	88.8
32.5°	74.8	72.0	68.7	71.1	73.9
35°	61.3	58.9	57.1	58.5	60.3
37.5°	49.1	48.2	47.2	47.7	47.7
40°	38.8	39.3	39.3	39.3	38.3
42.5°	31.8	32.3	33.2	32.3	31.8
45°	26.7	27.1	28.1	27.1	26.7
47.5°	23.4	23.8	24.3	23.4	23.4
50°	21.0	21.0	21.0	21.0	21.0
52.5°	19.6	19.2	19.2	19.2	19.6
55°	18.2	17.8	17.3	17.8	18.2
57.5°	16.8	16.4	15.9	16.4	16.8
60°	16.4	15.4	15.0	15.4	15.9
62.5°	15.4	14.5	14.0	14.5	15.4
65°	15.0	13.6	13.1	13.6	15.0
67.5°	14.5	12.6	11.7	12.6	14.5
70°	14.5	11.7	10.8	12.2	14.5
72.5°	14.0	11.2	9.4	11.2	14.0
75°	14.0	10.3	8.4	10.8	14.0
77.5°	13.1	9.4	7.0	9.8	13.1
80°	11.7	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)