

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: P1307828

Luminaire Tested: LDSQA3D05R359027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359027DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

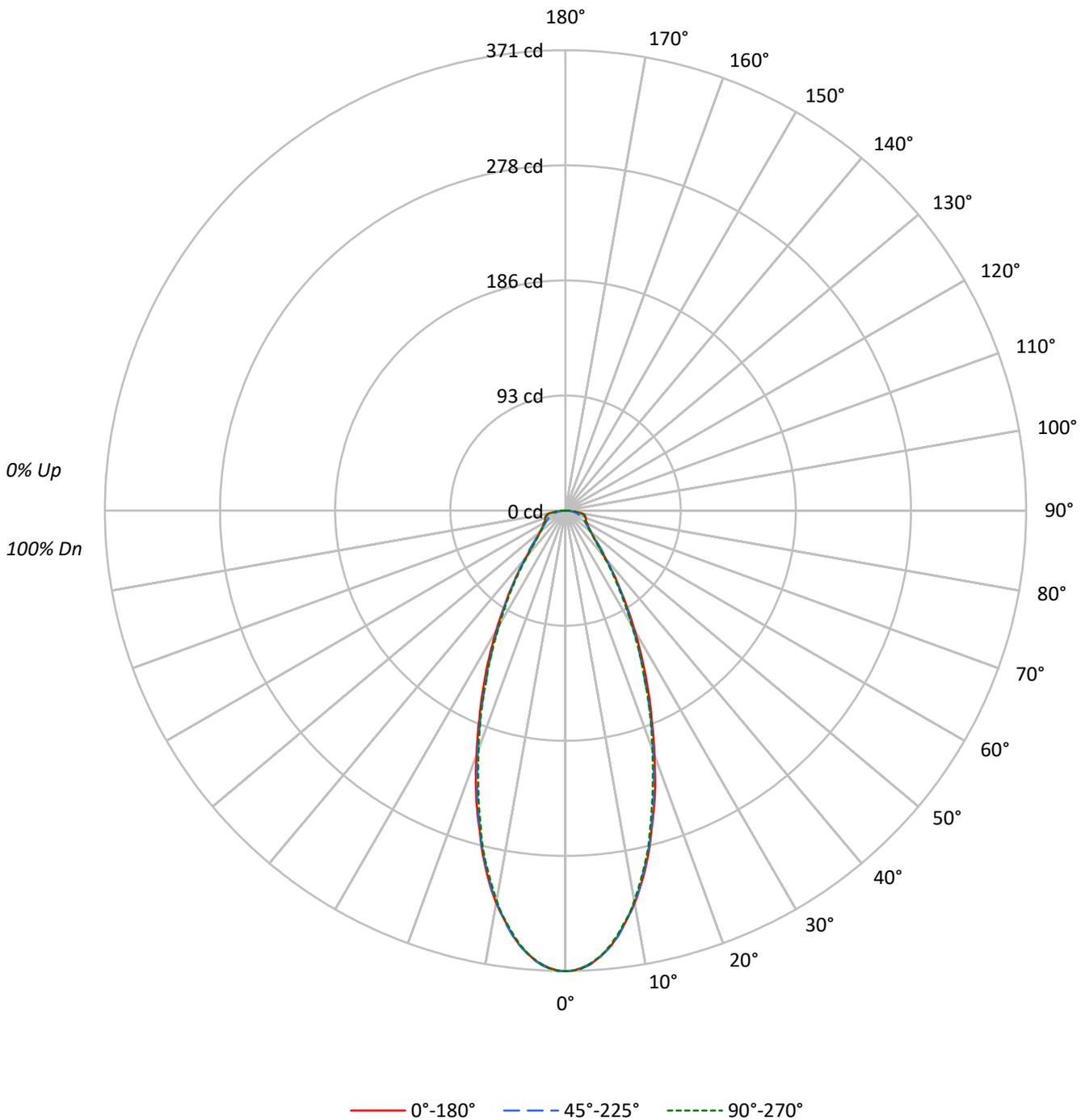
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 307.0 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
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				
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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63912	63912	63912
5°	61805	61891	61805
10°	56154	56066	55822
15°	47659	47499	47071
20°	38378	37865	37516
25°	29663	28770	28770
30°	22114	21378	21179
35°	15916	15726	15327
40°	11129	11443	10724
45°	8305	8768	8086
50°	7127	7127	7020
55°	6726	6456	6606
60°	6923	6269	6613
65°	7417	6276	7254
70°	8711	6596	8460
75°	10913	6854	10580
80°	13885	7438	12497
85°	11066	7311	11066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 13885 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	10.7
10°-20°	73.5	24.0
20°-30°	70.2	22.9
30°-40°	47.2	15.4
40°-50°	27.7	9.0
50°-60°	19.8	6.5
60°-70°	16.5	5.4
70°-80°	13.5	4.4
80°-90°	5.6	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°	176.7	57.6
0°-40°	223.9	72.9
0°-60°	271.4	88.4
0°-90°	307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	371	371	371	371	371	
5°	358	358	358	358	358	33
15°	267	268	266	264	264	74
25°	156	154	151	151	151	72
35°	76	76	75	73	73	48
45°	34	35	36	34	33	27
55°	22	22	22	22	22	20
65°	18	16	15	16	18	18
75°	16	13	10	13	16	17
85°	6	6	4	6	6	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	371.1	371.1	371.1	371.1	371.1
1°	370.6	371.1	371.1	370.6	370.6
2°	368.7	369.7	369.2	368.7	369.2
3°	366.4	367.3	366.8	366.4	365.9
4°	362.6	363.6	363.1	362.2	362.2
5°	357.5	358.4	358.0	357.5	357.5
6°	352.4	353.3	352.4	351.4	351.4
7°	345.4	346.8	345.8	344.9	344.4
8°	337.4	338.8	337.9	337.4	336.5
9°	329.5	330.4	329.0	329.0	329.0
10°	321.1	321.5	320.6	319.2	319.2
11°	311.7	311.2	310.8	309.8	308.9
12°	301.4	301.4	300.0	299.1	298.6
13°	290.7	290.2	289.3	288.3	288.3
14°	279.5	279.5	278.5	276.7	277.1
15°	267.3	267.8	266.4	264.5	264.0
17.5°	239.7	238.8	236.5	235.1	233.7
20°	209.4	208.9	206.6	205.2	204.7
22.5°	181.3	180.9	178.5	177.1	178.1
25°	156.1	154.2	151.4	151.4	151.4
27.5°	132.7	130.4	128.5	127.6	128.5
30°	111.2	109.4	107.5	107.0	106.5
32.5°	92.1	91.1	90.2	88.8	88.8
35°	75.7	75.7	74.8	73.4	72.9
37.5°	61.7	62.2	61.7	60.3	59.8
40°	49.5	50.5	50.9	49.5	47.7
42.5°	40.7	42.1	43.0	40.7	39.3
45°	34.1	35.0	36.0	34.1	33.2
47.5°	29.9	30.4	30.8	29.4	29.0
50°	26.6	26.6	26.6	26.2	26.2
52.5°	24.3	24.3	23.8	23.4	23.4
55°	22.4	22.0	21.5	21.5	22.0
57.5°	21.0	20.6	19.6	20.1	20.6
60°	20.1	19.2	18.2	18.7	19.2
62.5°	18.7	17.8	16.8	17.3	18.2
65°	18.2	16.4	15.4	16.4	17.8
67.5°	17.8	15.4	14.0	15.4	17.3
70°	17.3	14.5	13.1	14.5	16.8
72.5°	16.8	13.6	11.7	13.6	16.4
75°	16.4	12.6	10.3	12.6	15.9
77.5°	15.4	11.7	8.9	11.7	14.5
80°	14.0	10.7	7.5	10.3	12.6
82.5°	10.3	8.9	6.1	8.9	9.3
85°	5.6	6.1	3.7	6.1	5.6
87.5°	0.5	0.9	0.9	2.8	1.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)