

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: P1311131

Luminaire Tested: LDSQA3D05R209040DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209040DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

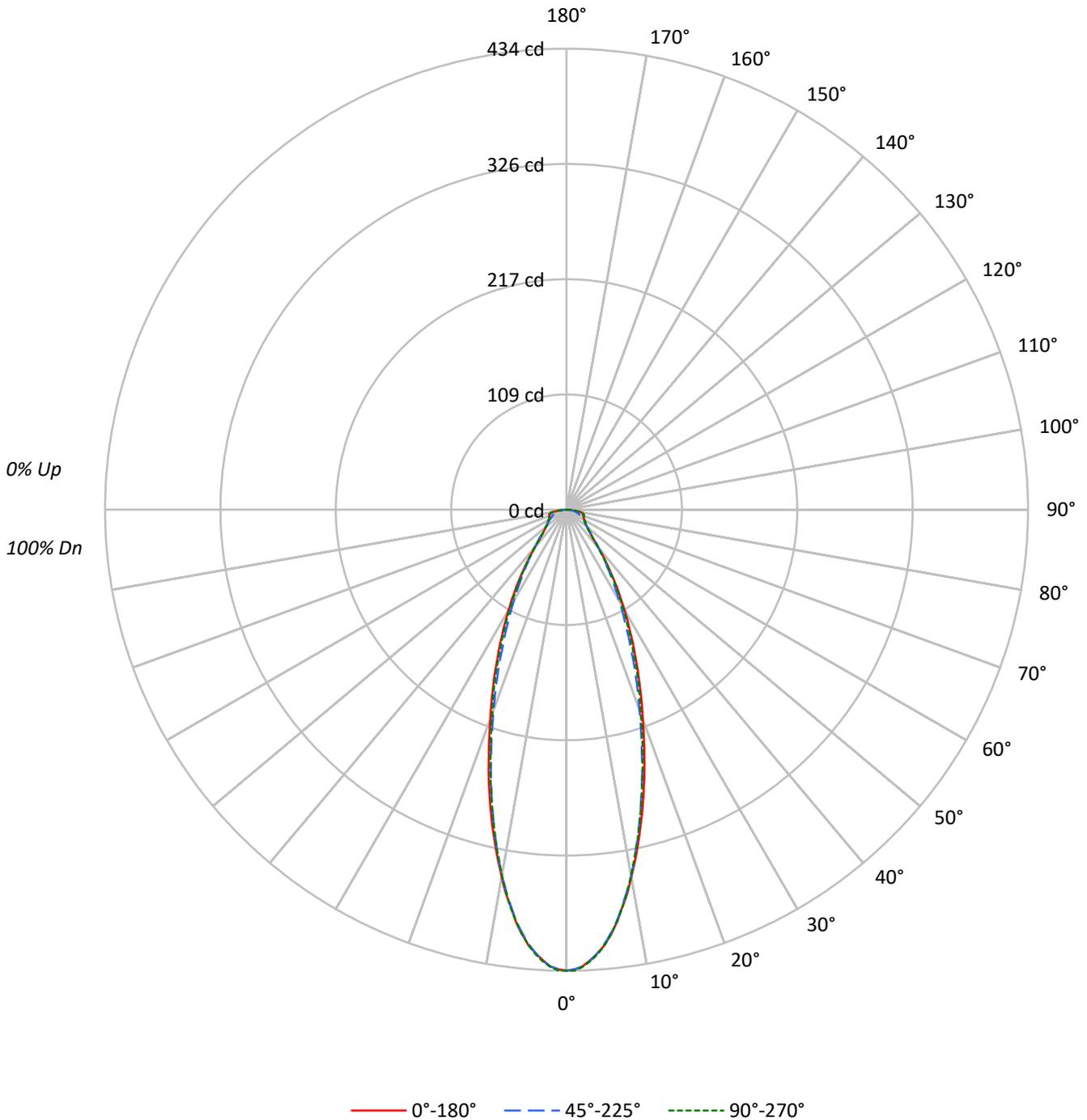
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 306.0 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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: P1311131
CATALOG NUMBER: LDSQA3D05R209040DE010 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			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	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74727	74727	74727
5°	71106	70916	71106
10°	61383	61190	61103
15°	49816	48658	48854
20°	38378	36710	37388
25°	29150	27003	28333
30°	21617	19708	20980
35°	15285	14255	15054
40°	10522	10522	10297
45°	7745	8135	7745
50°	6779	6779	6779
55°	6456	6305	6456
60°	6682	6131	6682
65°	7254	6153	7254
70°	8661	6244	8661
75°	11112	6787	11112
80°	13885	6943	13389
85°	10671	6323	11659

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°	37.2	12.2
10°-20°	76.0	24.8
20°-30°	67.9	22.2
30°-40°	44.5	14.6
40°-50°	25.9	8.5
50°-60°	19.2	6.3
60°-70°	16.3	5.3
70°-80°	13.4	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°	181.1	59.2
0°-40°	225.6	73.7
0°-60°	270.7	88.5
0°-90°	306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	434	434	434	434	434	
5°	411	411	410	411	411	37
15°	279	277	273	274	274	77
25°	153	149	142	146	149	71
35°	73	70	68	70	72	46
45°	32	32	33	32	32	26
55°	22	21	21	21	22	20
65°	18	16	15	16	18	18
75°	17	12	10	12	17	17
85°	5	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°	433.9	433.9	433.9	433.9	433.9
1°	432.8	433.4	432.8	433.4	433.9
2°	430.1	430.7	430.1	430.1	430.7
3°	424.8	425.3	425.3	425.3	425.8
4°	418.3	418.8	418.3	418.8	419.4
5°	411.3	410.8	410.2	410.8	411.3
6°	401.6	401.1	400.5	401.1	401.6
7°	390.8	390.3	389.8	389.8	390.3
8°	377.4	377.9	376.3	377.4	377.9
9°	365.5	364.5	363.4	363.4	364.5
10°	351.0	349.9	349.9	349.4	349.4
12.5°	315.5	313.3	311.7	311.7	312.2
15°	279.4	276.7	272.9	273.5	274.0
17.5°	243.3	240.1	235.3	236.3	237.4
20°	209.4	206.2	200.3	202.4	204.0
22.5°	180.3	175.5	170.1	171.7	177.1
25°	153.4	149.1	142.1	145.9	149.1
27.5°	129.7	124.9	119.0	122.7	126.0
30°	108.7	104.4	99.1	102.3	105.5
32.5°	89.9	86.1	82.4	84.5	87.2
35°	72.7	70.5	67.8	70.0	71.6
37.5°	58.7	57.6	56.5	57.6	57.1
40°	46.8	47.4	46.8	46.8	45.8
42.5°	37.1	38.8	39.3	38.2	37.1
45°	31.8	32.3	33.4	32.3	31.8
47.5°	28.0	28.0	28.5	28.0	27.5
50°	25.3	25.3	25.3	25.3	25.3
52.5°	23.1	23.1	22.6	23.1	23.1
55°	21.5	21.0	21.0	21.0	21.5
57.5°	20.5	19.9	19.4	19.9	20.5
60°	19.4	18.3	17.8	18.3	19.4
62.5°	18.3	17.2	16.7	17.2	18.3
65°	17.8	16.2	15.1	16.2	17.8
67.5°	17.2	15.1	14.0	15.1	17.8
70°	17.2	14.0	12.4	14.5	17.2
72.5°	16.7	13.5	11.3	13.5	16.7
75°	16.7	12.4	10.2	12.4	16.7
77.5°	15.6	11.3	8.6	11.3	15.6
80°	14.0	10.2	7.0	10.2	13.5
82.5°	10.2	8.6	5.4	8.6	10.2
85°	5.4	5.9	3.2	5.9	5.9
87.5°	0.5	2.2	1.1	3.2	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)