

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: P1317196

Luminaire Tested: LDSQA3D05R309827DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309827DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

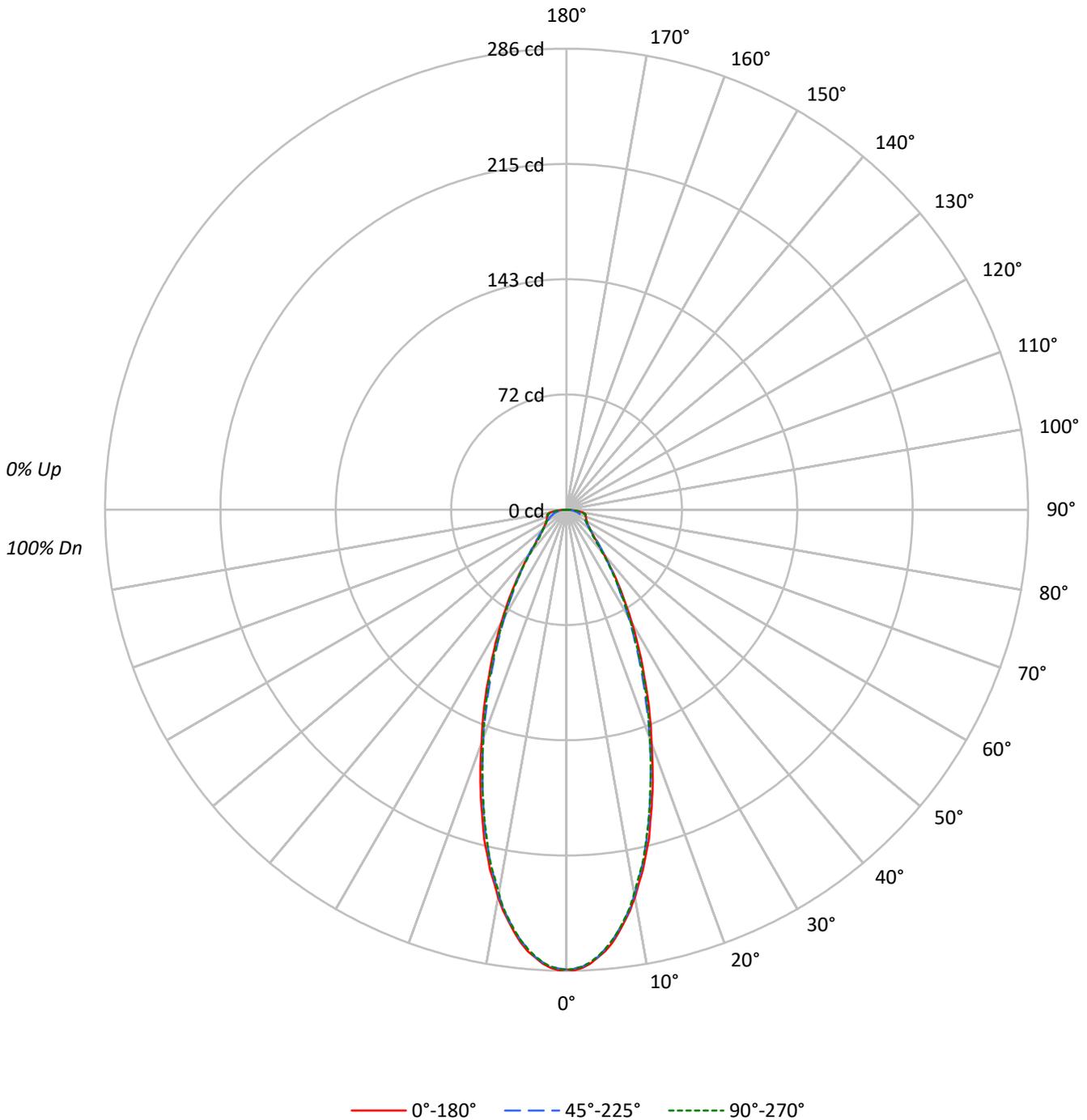
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 225.0 lumens
Efficiency: N/A
Efficacy: 31.2 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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 (A_{in}): 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: P1317196
CATALOG NUMBER: LDSQA3D05R309827DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1317196

CATALOG NUMBER: LDSQA3D05R309827DE010 3LSQPHRLP1MW

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49135	49135	49135
5°	47542	47300	47300
10°	42671	42426	42251
15°	35767	35214	35143
20°	28224	27656	27656
25°	21606	20751	21150
30°	16029	15213	15551
35°	11585	11080	11164
40°	7981	8139	7756
45°	5967	6211	5699
50°	5171	5091	5091
55°	4864	4654	4774
60°	4994	4616	4857
65°	5461	4646	5338
70°	6395	4683	6244
75°	8251	5057	8052
80°	10215	5455	9521
85°	8102	5533	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 10215 cd/sqm



TEST NUMBER: P1317196

CATALOG NUMBER: LDSQA3D05R309827DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	11.2
10°-20°	54.7	24.3
20°-30°	51.0	22.7
30°-40°	33.8	15.0
40°-50°	19.7	8.8
50°-60°	14.3	6.4
60°-70°	12.1	5.4
70°-80°	10.0	4.5
80°-90°	4.2	1.9
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°	130.8	58.2
0°-40°	164.7	73.2
0°-60°	198.7	88.3
0°-90°	225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	285	285	285	285	285	
5°	275	275	274	274	274	25
15°	201	198	198	197	197	55
25°	114	112	109	110	111	52
35°	55	54	53	53	53	35
45°	24	25	26	24	23	20
55°	16	16	16	16	16	15
65°	13	12	11	12	13	13
75°	12	9	8	9	12	13
85°	4	5	3	4	4	5
90°	0	0	0	0	0	



TEST NUMBER: P1317196

CATALOG NUMBER: LDSQA3D05R309827DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	285.3	285.3	285.3	285.3	285.3
1°	285.7	285.3	284.6	285.0	285.0
2°	284.3	283.9	283.6	283.6	283.6
3°	281.9	281.5	281.2	281.2	281.2
4°	278.4	278.1	278.1	277.7	277.7
5°	275.0	274.6	273.6	273.6	273.6
6°	270.2	269.8	269.1	268.8	268.8
7°	264.3	264.3	263.3	262.9	263.3
8°	258.1	257.8	257.1	256.7	256.7
9°	251.6	250.5	250.5	249.5	250.2
10°	244.0	243.3	242.6	241.9	241.6
11°	235.4	235.0	234.0	233.3	232.9
12°	228.1	226.4	225.7	224.7	225.4
13°	218.8	217.8	216.1	215.7	216.1
14°	210.9	208.8	207.4	206.8	206.4
15°	200.6	198.5	197.5	197.1	197.1
17.5°	177.5	176.1	173.3	173.3	173.3
20°	154.0	152.7	150.9	150.6	150.9
22.5°	133.7	131.3	128.5	128.9	130.9
25°	113.7	111.6	109.2	109.6	111.3
27.5°	96.8	94.1	91.7	92.4	93.4
30°	80.6	78.9	76.5	77.2	78.2
32.5°	66.9	65.8	63.1	63.7	64.8
35°	55.1	54.1	52.7	53.1	53.1
37.5°	44.1	44.1	43.8	43.4	43.1
40°	35.5	36.2	36.2	35.1	34.5
42.5°	28.9	29.6	30.3	28.9	27.9
45°	24.5	24.8	25.5	24.1	23.4
47.5°	21.4	21.4	22.1	21.0	20.7
50°	19.3	19.3	19.0	18.6	19.0
52.5°	17.6	17.2	16.9	17.2	17.2
55°	16.2	15.9	15.5	15.9	15.9
57.5°	15.2	14.8	14.5	14.5	14.8
60°	14.5	13.8	13.4	13.8	14.1
62.5°	13.8	12.7	12.4	12.7	13.4
65°	13.4	12.1	11.4	12.1	13.1
67.5°	13.1	11.4	10.3	11.4	12.7
70°	12.7	10.7	9.3	10.7	12.4
72.5°	12.4	10.0	8.6	10.0	12.4
75°	12.4	9.3	7.6	9.3	12.1
77.5°	11.7	8.6	6.5	8.6	11.4
80°	10.3	7.9	5.5	7.6	9.6
82.5°	7.6	6.9	4.1	6.5	7.2
85°	4.1	4.8	2.8	4.5	3.8
87.5°	0.7	1.0	0.7	2.1	1.4



TEST NUMBER: P1317196
CATALOG NUMBER: LDSQA3D05R309827DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)