

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: P1319824

Luminaire Tested: LDSQA3D05R309840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319824
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: LDSQA3D05R309840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

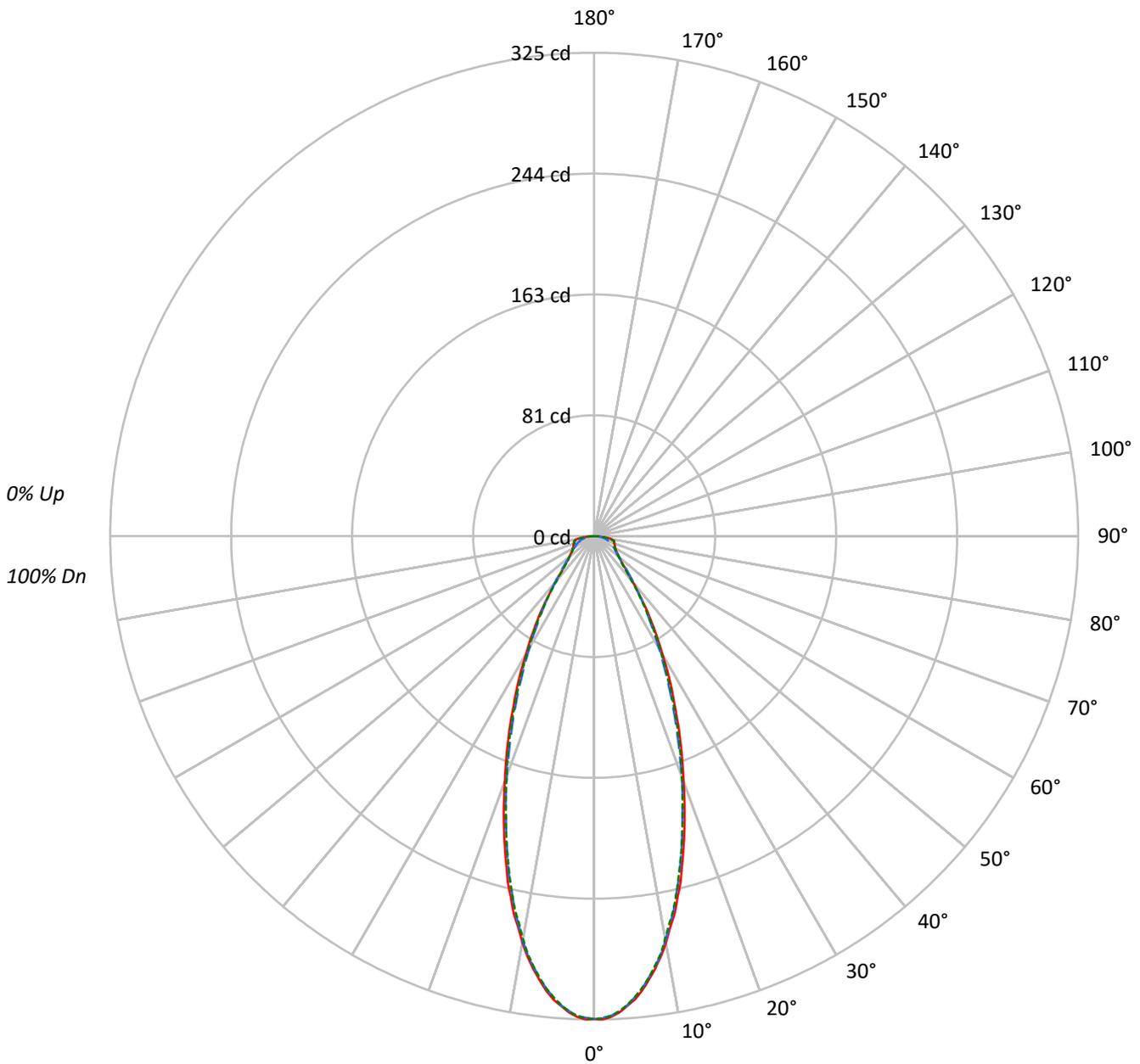
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 256.0 lumens
Efficiency: N/A
Efficacy: 35.6 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: P1319824
CATALOG NUMBER: LDSQA3D05R309840DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1319824

CATALOG NUMBER: LDSQA3D05R309840DE010 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°	55903	55903	55903
5°	54094	53818	53818
10°	48547	48267	48057
15°	40688	40064	39992
20°	32128	31468	31468
25°	24589	23620	24057
30°	18236	17301	17699
35°	13182	12615	12699
40°	9083	9263	8813
45°	6771	7063	6503
50°	5894	5787	5787
55°	5525	5285	5405
60°	5683	5270	5546
65°	6235	5257	6072
70°	7301	5338	7100
75°	9382	5723	9116
80°	11703	6248	10910
85°	9287	6126	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 11703 cd/sqm



TEST NUMBER: P1319824

CATALOG NUMBER: LDSQA3D05R309840DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	11.2
10°-20°	62.2	24.3
20°-30°	58.0	22.7
30°-40°	38.5	15.0
40°-50°	22.4	8.8
50°-60°	16.3	6.4
60°-70°	13.8	5.4
70°-80°	11.4	4.5
80°-90°	4.7	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°	148.9	58.1
0°-40°	187.3	73.2
0°-60°	226.1	88.3
0°-90°	256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	256.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	325	325	325	325	325	
5°	313	312	311	311	311	29
15°	228	226	225	224	224	63
25°	129	127	124	125	127	60
35°	63	62	60	60	60	39
45°	28	28	29	27	27	22
55°	18	18	18	18	18	17
65°	15	14	13	14	15	15
75°	14	11	9	11	14	14
85°	5	6	3	5	4	5
90°	0	0	0	0	0	



TEST NUMBER: P1319824

CATALOG NUMBER: LDSQA3D05R309840DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	324.6	324.6	324.6	324.6	324.6
1°	325.0	324.6	323.9	324.2	324.2
2°	323.5	323.1	322.7	322.7	322.7
3°	320.7	320.3	319.9	319.9	319.9
4°	316.8	316.4	316.4	316.0	316.0
5°	312.9	312.5	311.3	311.3	311.3
6°	307.4	307.0	306.2	305.8	305.8
7°	300.7	300.7	299.5	299.2	299.5
8°	293.7	293.3	292.5	292.1	292.1
9°	286.2	285.0	285.0	283.9	284.6
10°	277.6	276.8	276.0	275.2	274.8
11°	267.8	267.4	266.2	265.4	265.0
12°	259.6	257.6	256.8	255.6	256.4
13°	249.0	247.8	245.8	245.4	245.8
14°	239.9	237.6	236.0	235.2	234.9
15°	228.2	225.8	224.7	224.3	224.3
17.5°	201.9	200.3	197.2	197.2	197.2
20°	175.3	173.7	171.7	171.3	171.7
22.5°	152.1	149.4	146.2	146.6	149.0
25°	129.4	127.0	124.3	124.7	126.6
27.5°	110.2	107.0	104.3	105.1	106.3
30°	91.7	89.8	87.0	87.8	89.0
32.5°	76.1	74.9	71.7	72.5	73.7
35°	62.7	61.6	60.0	60.4	60.4
37.5°	50.2	50.2	49.8	49.4	49.0
40°	40.4	41.2	41.2	40.0	39.2
42.5°	32.9	33.7	34.5	32.9	31.8
45°	27.8	28.2	29.0	27.4	26.7
47.5°	24.3	24.3	25.1	23.9	23.5
50°	22.0	22.0	21.6	21.2	21.6
52.5°	20.0	19.6	19.2	19.6	19.6
55°	18.4	18.0	17.6	18.0	18.0
57.5°	17.3	16.9	16.5	16.5	16.9
60°	16.5	15.7	15.3	15.7	16.1
62.5°	15.7	14.5	14.1	14.5	15.3
65°	15.3	13.7	12.9	13.7	14.9
67.5°	14.9	12.9	11.8	12.9	14.5
70°	14.5	12.2	10.6	12.2	14.1
72.5°	14.1	11.4	9.8	11.4	14.1
75°	14.1	10.6	8.6	10.6	13.7
77.5°	13.3	9.8	7.4	9.8	12.9
80°	11.8	9.0	6.3	8.6	11.0
82.5°	8.6	7.8	4.7	7.4	8.2
85°	4.7	5.5	3.1	5.1	4.3
87.5°	0.8	1.2	0.8	2.4	1.6



TEST NUMBER: P1319824
CATALOG NUMBER: LDSQA3D05R309840DE010 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)