

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: P1307793

Luminaire Tested: LDSQA3D05R259027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259027DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

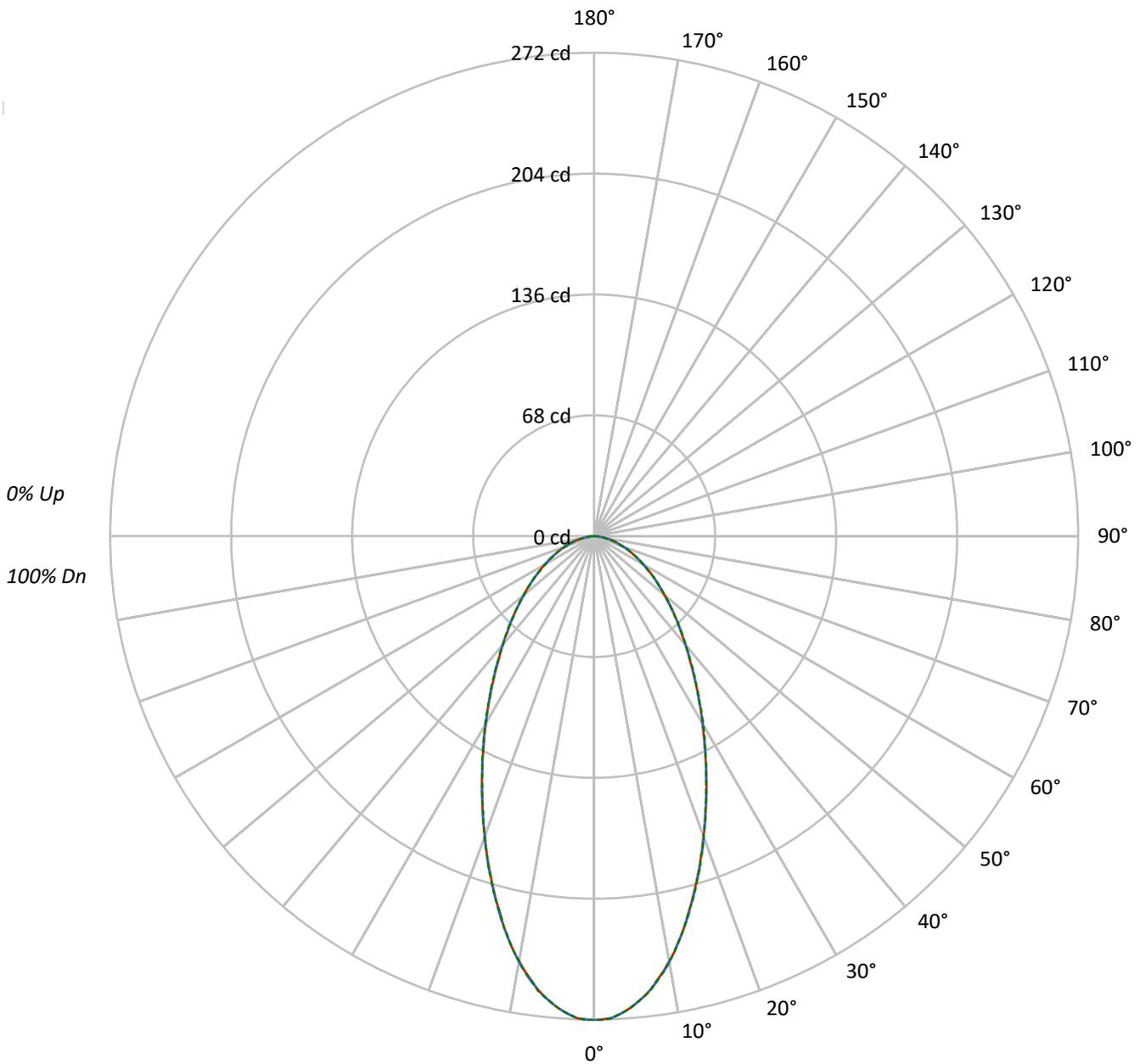
Lumens per Lamp: N/A
Luminaire Lumens: 341.0 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307793

CATALOG NUMBER: LDSQA3D05R259027DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1307793

CATALOG NUMBER: LDSQA3D05R259027DE010 3LSQPHRLD1MW

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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46913	46913	46913
5°	45710	45710	45710
10°	42478	42566	42478
15°	37888	37960	37960
20°	32935	33026	32935
25°	28371	28276	28276
30°	24202	24281	24381
35°	20751	20751	20856
40°	17986	17986	17986
45°	15734	15734	15734
50°	13798	13798	13906
55°	12371	12371	12371
60°	10953	10953	10953
65°	9903	9903	9903
70°	8963	8711	8963
75°	8118	7785	7785
80°	6546	6546	6546
85°	4545	4545	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15734 cd/sqm



TEST NUMBER: P1307793

CATALOG NUMBER: LDSQA3D05R259027DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	7.2
10°-20°	59.3	17.4
20°-30°	68.5	20.1
30°-40°	62.1	18.2
40°-50°	50.1	14.7
50°-60°	36.9	10.8
60°-70°	24.3	7.1
70°-80°	12.5	3.7
80°-90°	2.8	0.8
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°	152.4	44.7
0°-40°	214.5	62.9
0°-60°	301.4	88.4
0°-90°	341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	272	272	272	272	272	
5°	264	265	264	264	264	25
15°	212	213	213	212	213	59
25°	149	149	149	149	149	69
35°	99	99	99	99	99	62
45°	65	65	65	65	65	50
55°	41	41	41	41	41	37
65°	24	24	24	24	24	24
75°	12	12	12	12	12	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P1307793

CATALOG NUMBER: LDSQA3D05R259027DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	272.4	272.4	272.4	272.4	272.4
1°	271.9	272.8	271.9	271.9	272.4
2°	271.4	271.9	271.4	271.4	271.4
3°	269.6	270.5	269.6	269.6	269.6
4°	267.2	268.2	267.2	267.2	267.2
5°	264.4	265.3	264.4	264.4	264.4
6°	261.1	261.6	261.1	261.1	261.1
7°	257.4	257.9	257.4	257.4	257.9
8°	252.7	253.2	253.2	252.7	252.7
9°	248.0	248.5	248.5	248.0	248.5
10°	242.9	243.4	243.4	242.9	242.9
11°	237.7	238.2	237.3	237.3	237.7
12°	231.7	232.1	231.7	231.7	231.7
13°	225.6	225.6	225.6	225.6	225.6
14°	218.6	219.5	219.5	219.0	218.6
15°	212.5	212.9	212.9	212.5	212.9
17.5°	196.1	197.0	196.6	196.6	196.6
20°	179.7	180.2	180.2	179.7	179.7
22.5°	164.3	163.8	163.8	163.8	163.8
25°	149.3	148.8	148.8	149.3	148.8
27.5°	134.8	135.2	135.2	134.8	135.2
30°	121.7	121.7	122.1	121.7	122.6
32.5°	110.0	110.0	109.5	110.0	110.0
35°	98.7	98.7	98.7	98.7	99.2
37.5°	88.4	88.9	89.4	89.4	88.9
40°	80.0	80.0	80.0	80.0	80.0
42.5°	71.6	71.6	72.1	72.1	72.1
45°	64.6	64.6	64.6	64.6	64.6
47.5°	58.0	58.0	57.6	57.6	58.0
50°	51.5	51.9	51.5	51.5	51.9
52.5°	46.3	45.9	45.9	46.3	46.3
55°	41.2	41.2	41.2	40.7	41.2
57.5°	36.5	36.5	36.0	36.0	36.0
60°	31.8	31.8	31.8	31.8	31.8
62.5°	28.1	28.1	28.1	28.1	28.1
65°	24.3	24.3	24.3	24.3	24.3
67.5°	21.1	21.1	21.1	21.1	20.6
70°	17.8	17.8	17.3	17.3	17.8
72.5°	14.5	14.5	14.5	14.5	14.5
75°	12.2	11.7	11.7	11.7	11.7
77.5°	9.4	9.4	8.9	9.4	8.9
80°	6.6	6.6	6.6	6.6	6.6
82.5°	4.7	4.2	4.2	4.2	4.2
85°	2.3	2.3	2.3	2.3	2.3
87.5°	0.5	0.5	0.5	0.5	0.9



TEST NUMBER: P1307793

CATALOG NUMBER: LDSQA3D05R259027DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)