

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: P1316241

Luminaire Tested: LDSQA3D05R209740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209740DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

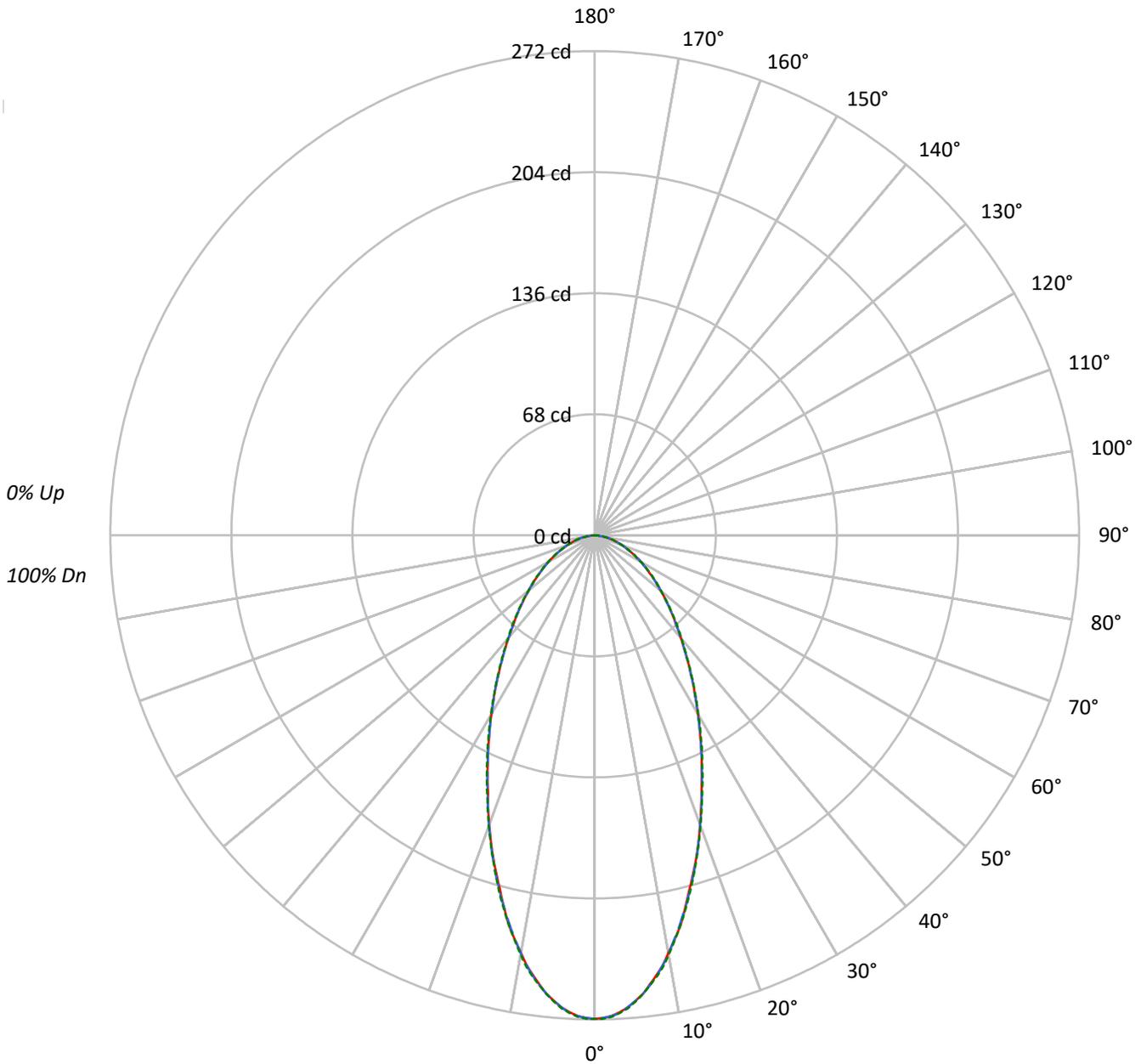
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 325.0 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	46793	46793	46793
5°	45381	45381	45468
10°	41656	41744	41831
15°	36676	36854	36943
20°	31743	31743	31835
25°	27022	27022	27193
30°	23068	22969	23148
35°	19679	19679	19784
40°	16907	16907	17019
45°	14784	14784	14881
50°	12995	12995	12995
55°	11500	11500	11650
60°	10368	10368	10368
65°	9291	9291	9291
70°	8308	8308	8308
75°	7453	7120	7453
80°	6248	6248	6248
85°	3754	3754	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 14881 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	7.5
10°-20°	57.5	17.7
20°-30°	65.5	20.2
30°-40°	58.8	18.1
40°-50°	47.1	14.5
50°-60°	34.6	10.7
60°-70°	22.6	7.0
70°-80°	11.7	3.6
80°-90°	2.7	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°	147.3	45.3
0°-40°	206.1	63.4
0°-60°	287.9	88.6
0°-90°	325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	272	272	272	272	272	
5°	262	262	262	262	263	24
15°	206	206	207	207	207	57
25°	142	142	142	143	143	65
35°	94	94	94	94	94	59
45°	61	61	61	61	61	47
55°	38	38	38	38	39	35
65°	23	22	23	23	23	23
75°	11	11	11	11	11	12
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	271.7	271.7	271.7	271.7	271.7
1°	271.2	270.7	271.2	271.2	271.7
2°	270.3	270.3	270.3	269.8	270.7
3°	268.3	268.3	268.8	268.3	268.8
4°	265.9	265.9	265.9	265.4	266.4
5°	262.5	262.5	262.5	262.5	263.0
6°	259.1	258.6	259.1	258.6	259.1
7°	254.2	254.2	254.7	254.2	254.7
8°	249.4	248.9	249.9	249.4	250.4
9°	244.5	244.1	244.5	244.1	245.5
10°	238.2	238.7	238.7	238.7	239.2
12.5°	223.7	222.7	222.7	222.7	223.7
15°	205.7	205.7	206.7	206.7	207.2
17.5°	189.7	189.2	190.2	190.2	190.2
20°	173.2	172.7	173.2	173.2	173.7
22.5°	156.7	157.2	157.2	157.2	157.7
25°	142.2	142.2	142.2	142.7	143.1
27.5°	128.6	128.1	128.6	129.1	129.5
30°	116.0	115.5	115.5	116.0	116.4
32.5°	104.3	103.8	104.3	104.3	104.8
35°	93.6	93.6	93.6	93.6	94.1
37.5°	83.9	83.9	83.9	84.4	84.4
40°	75.2	75.2	75.2	75.7	75.7
42.5°	67.4	67.4	67.4	67.9	68.4
45°	60.7	60.7	60.7	60.7	61.1
47.5°	54.3	54.3	54.3	54.8	54.8
50°	48.5	48.0	48.5	49.0	48.5
52.5°	43.2	43.2	43.2	43.2	43.7
55°	38.3	38.3	38.3	38.3	38.8
57.5°	34.0	34.0	34.0	34.4	34.4
60°	30.1	30.1	30.1	30.1	30.1
62.5°	26.2	26.2	26.2	26.2	26.2
65°	22.8	22.3	22.8	22.8	22.8
67.5°	19.4	19.4	19.4	19.4	19.4
70°	16.5	16.5	16.5	16.5	16.5
72.5°	13.6	13.6	13.6	13.6	13.6
75°	11.2	10.7	10.7	11.2	11.2
77.5°	8.7	8.2	8.7	8.7	8.7
80°	6.3	6.3	6.3	6.3	6.3
82.5°	3.9	3.9	3.9	4.4	4.4
85°	1.9	1.9	1.9	2.4	2.4
87.5°	0.5	0.5	0.5	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)