

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: P1319840

Luminaire Tested: LDSQA3D05R359840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

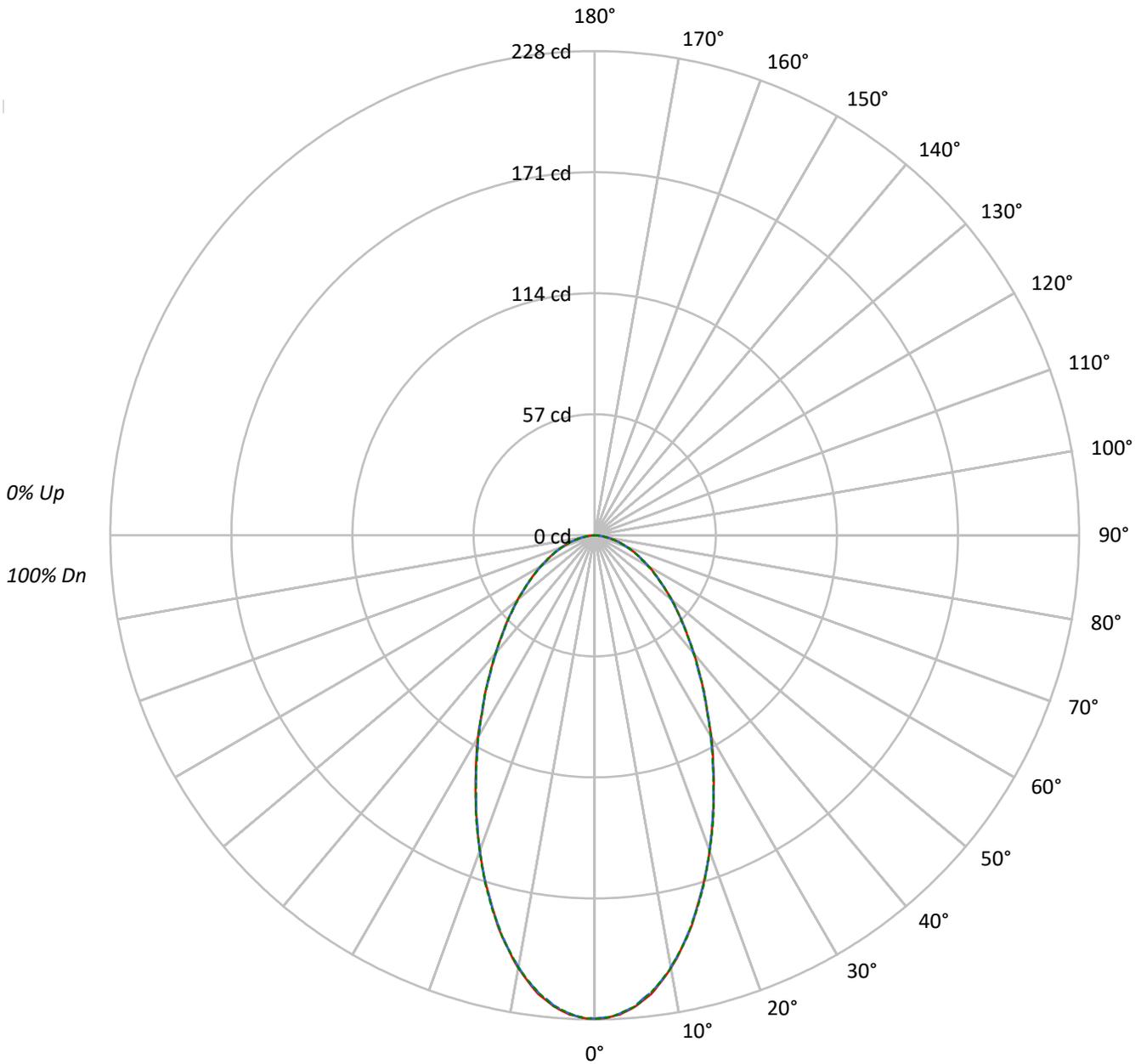
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 304.0 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
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

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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				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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39198	39198	39198
5°	38466	38397	38466
10°	36165	36095	36165
15°	32736	32736	32807
20°	28976	28976	28976
25°	25198	25122	25122
30°	21855	21696	21776
35°	18817	18733	18817
40°	16322	16232	16322
45°	14346	14248	14248
50°	12727	12620	12620
55°	11200	11200	11200
60°	10127	9989	10127
65°	9128	9128	9128
70°	8107	8107	8107
75°	7320	7053	7320
80°	6248	6248	6248
85°	3952	3952	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14346 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	6.8
10°-20°	51.2	16.8
20°-30°	60.9	20.0
30°-40°	55.9	18.4
40°-50°	45.4	14.9
50°-60°	33.6	11.1
60°-70°	22.2	7.3
70°-80°	11.5	3.8
80°-90°	2.6	0.9
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°	132.8	43.7
0°-40°	188.7	62.1
0°-60°	267.7	88.1
0°-90°	304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	304.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	228	228	228	228	228	
5°	222	222	222	222	222	21
15°	184	184	184	184	184	51
25°	133	132	132	133	132	61
35°	90	89	89	90	90	56
45°	59	58	58	58	58	46
55°	37	37	37	37	37	34
65°	22	22	22	22	22	22
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°	227.6	227.6	227.6	227.6	227.6
1°	227.6	227.2	227.2	227.2	227.6
2°	226.8	226.8	226.8	226.8	226.8
3°	226.0	225.6	225.6	225.6	225.6
4°	224.4	224.0	224.0	224.0	224.0
5°	222.5	222.1	222.1	222.1	222.5
6°	220.1	219.7	219.3	219.3	219.7
7°	217.7	217.0	217.0	217.0	217.0
8°	214.2	213.8	213.8	213.8	213.8
9°	210.7	209.9	210.3	210.3	210.3
10°	206.8	206.4	206.4	206.4	206.8
11°	202.8	202.4	202.4	202.1	202.4
12°	198.1	198.1	198.1	198.1	198.1
13°	193.8	193.4	193.4	193.4	193.8
14°	189.1	188.7	188.7	188.7	188.7
15°	183.6	183.6	183.6	183.6	184.0
17.5°	171.1	170.7	171.1	171.1	171.5
20°	158.1	157.7	158.1	158.1	158.1
22.5°	145.2	145.2	144.8	145.2	145.6
25°	132.6	132.2	132.2	132.6	132.2
27.5°	120.8	120.4	120.4	120.4	120.4
30°	109.9	109.1	109.1	109.5	109.5
32.5°	98.5	98.5	98.9	98.5	98.5
35°	89.5	89.1	89.1	89.5	89.5
37.5°	80.4	80.0	80.0	80.4	80.4
40°	72.6	72.6	72.2	72.6	72.6
42.5°	65.1	65.1	65.1	65.1	65.1
45°	58.9	58.5	58.5	58.5	58.5
47.5°	52.6	52.6	52.6	52.2	52.6
50°	47.5	47.1	47.1	47.1	47.1
52.5°	42.0	42.0	42.0	42.0	42.0
55°	37.3	37.3	37.3	37.3	37.3
57.5°	33.3	33.0	33.0	33.0	33.0
60°	29.4	29.4	29.0	29.4	29.4
62.5°	25.5	25.5	25.5	25.5	25.5
65°	22.4	22.4	22.4	22.4	22.4
67.5°	19.2	19.2	19.2	19.2	19.2
70°	16.1	16.1	16.1	16.1	16.1
72.5°	13.7	13.3	13.3	13.3	13.3
75°	11.0	11.0	10.6	11.0	11.0
77.5°	8.2	8.2	8.2	8.2	8.2
80°	6.3	6.3	6.3	5.9	6.3
82.5°	3.9	3.9	3.9	3.9	3.9
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.4	0.4	0.4	0.8	0.8



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)