

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: P1306804

Luminaire Tested: LDSQA3D05R209024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306804
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: LDSQA3D05R209024DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

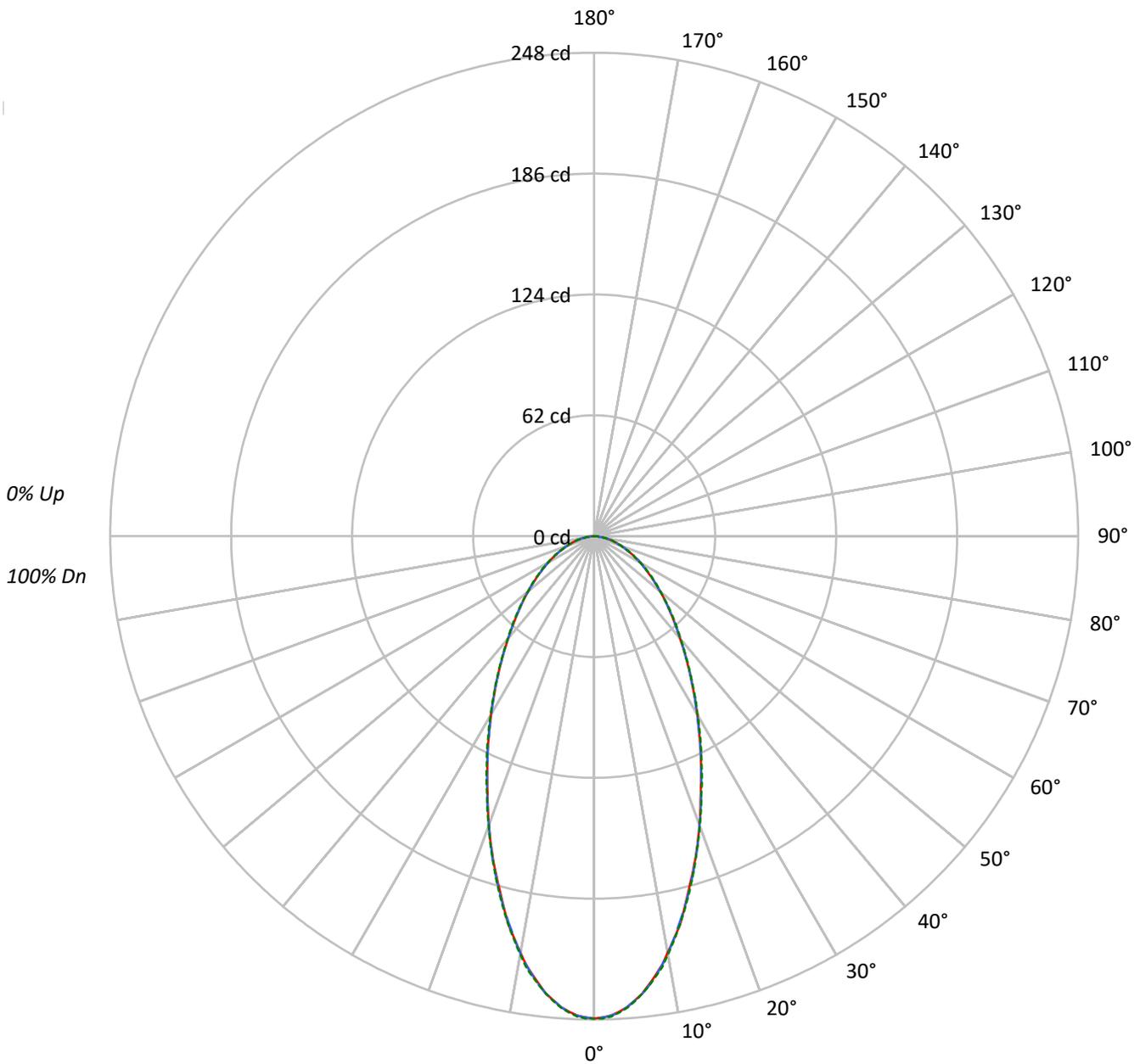
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 296.0 lumens
Efficiency: N/A
Efficacy: 41.1 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 (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				
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°	42625	42625	42625
5°	41336	41336	41405
10°	37949	38019	38106
15°	33413	33574	33645
20°	28921	28921	28994
25°	24608	24608	24779
30°	21000	20921	21100
35°	17934	17934	18018
40°	15400	15400	15490
45°	13444	13444	13566
50°	11843	11843	11843
55°	10479	10479	10629
60°	9438	9438	9438
65°	8476	8476	8476
70°	7553	7553	7553
75°	6787	6455	6787
80°	5653	5653	5653
85°	3557	3557	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 13566 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	7.5
10°-20°	52.4	17.7
20°-30°	59.7	20.2
30°-40°	53.6	18.1
40°-50°	42.9	14.5
50°-60°	31.5	10.7
60°-70°	20.6	7.0
70°-80°	10.7	3.6
80°-90°	2.5	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°	134.2	45.3
0°-40°	187.8	63.4
0°-60°	262.2	88.6
0°-90°	296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	296.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	248	248	248	248	248	
5°	239	239	239	239	240	22
15°	187	187	188	188	189	52
25°	130	130	130	130	130	60
35°	85	85	85	85	86	54
45°	55	55	55	55	56	43
55°	35	35	35	35	35	31
65°	21	20	21	21	21	21
75°	10	10	10	10	10	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	247.5	247.5	247.5	247.5	247.5
1°	247.0	246.6	247.0	247.0	247.5
2°	246.1	246.1	246.1	245.7	246.6
3°	244.4	244.4	244.8	244.4	244.8
4°	242.2	242.2	242.2	241.7	242.6
5°	239.1	239.1	239.1	239.1	239.5
6°	236.0	235.5	236.0	235.5	236.0
7°	231.6	231.6	232.0	231.6	232.0
8°	227.1	226.7	227.6	227.1	228.0
9°	222.7	222.3	222.7	222.3	223.6
10°	217.0	217.4	217.4	217.4	217.9
12.5°	203.7	202.8	202.8	202.8	203.7
15°	187.4	187.4	188.3	188.3	188.7
17.5°	172.8	172.3	173.2	173.2	173.2
20°	157.8	157.3	157.8	157.8	158.2
22.5°	142.7	143.2	143.2	143.2	143.6
25°	129.5	129.5	129.5	129.9	130.4
27.5°	117.1	116.7	117.1	117.5	118.0
30°	105.6	105.2	105.2	105.6	106.1
32.5°	95.0	94.6	95.0	95.0	95.5
35°	85.3	85.3	85.3	85.3	85.7
37.5°	76.5	76.5	76.5	76.9	76.9
40°	68.5	68.5	68.5	68.9	68.9
42.5°	61.4	61.4	61.4	61.9	62.3
45°	55.2	55.2	55.2	55.2	55.7
47.5°	49.5	49.5	49.5	49.9	49.9
50°	44.2	43.7	44.2	44.6	44.2
52.5°	39.3	39.3	39.3	39.3	39.8
55°	34.9	34.9	34.9	34.9	35.4
57.5°	30.9	30.9	30.9	31.4	31.4
60°	27.4	27.4	27.4	27.4	27.4
62.5°	23.9	23.9	23.9	23.9	23.9
65°	20.8	20.3	20.8	20.8	20.8
67.5°	17.7	17.7	17.7	17.7	17.7
70°	15.0	15.0	15.0	15.0	15.0
72.5°	12.4	12.4	12.4	12.4	12.4
75°	10.2	9.7	9.7	10.2	10.2
77.5°	8.0	7.5	8.0	8.0	8.0
80°	5.7	5.7	5.7	5.7	5.7
82.5°	3.5	3.5	3.5	4.0	4.0
85°	1.8	1.8	1.8	2.2	2.2
87.5°	0.4	0.4	0.4	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)