

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: P1306822

Luminaire Tested: LDSQA3D05R259024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259024DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

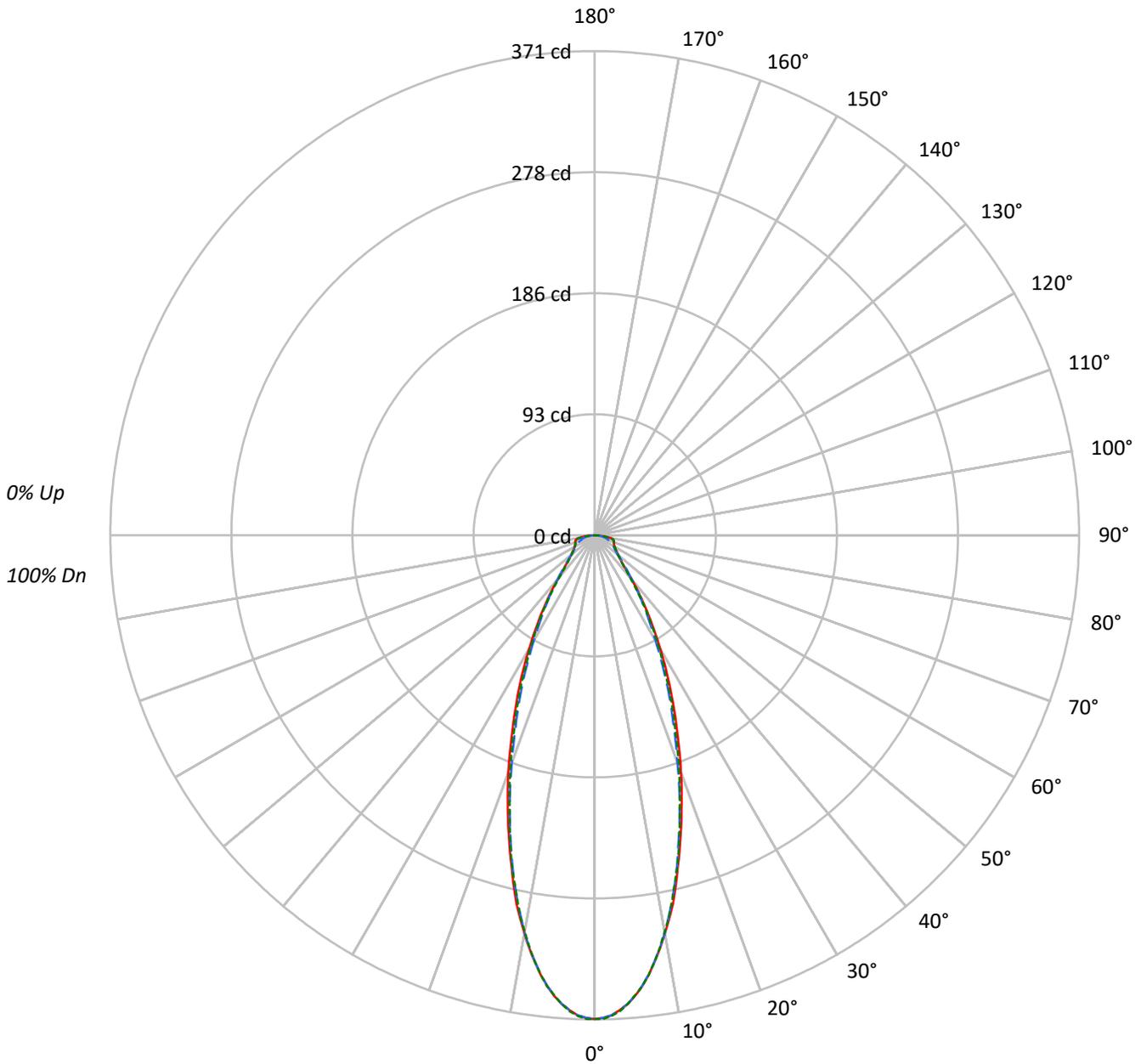
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 280.0 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
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	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	81	81	81	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	74	74	74	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	63	63	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	58	58	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	54	54	54	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	48	46
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	45	45	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63843	63843	63843
5°	61269	61182	61182
10°	54160	54073	53933
15°	44717	44093	44325
20°	35427	33979	34547
25°	26984	25559	26224
30°	19887	18475	19270
35°	14234	13582	13771
40°	9757	9937	9442
45°	7209	7648	7112
50°	6270	6270	6162
55°	5975	5705	5975
60°	6097	5649	6097
65°	6683	5787	6683
70°	8006	5791	7805
75°	9981	6188	9981
80°	12695	6546	11802
85°	10473	6126	10473

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 12695 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	11.6
10°-20°	68.7	24.6
20°-30°	63.0	22.5
30°-40°	41.5	14.8
40°-50°	24.2	8.6
50°-60°	17.7	6.3
60°-70°	15.0	5.4
70°-80°	12.4	4.4
80°-90°	5.1	1.8
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°	164.1	58.6
0°-40°	205.6	73.4
0°-60°	247.4	88.4
0°-90°	280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	371	371	371	371	371	
5°	354	354	354	354	354	32
15°	251	250	247	248	249	70
25°	142	138	134	135	138	65
35°	68	66	65	65	66	43
45°	30	30	31	30	29	24
55°	20	20	19	20	20	18
65°	16	15	14	15	16	16
75°	15	12	9	12	15	16
85°	5	6	3	6	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	370.7	370.7	370.7	370.7	370.7
1°	369.9	369.9	369.9	369.9	370.7
2°	368.1	367.6	368.1	368.1	368.5
3°	364.5	364.5	364.5	364.5	365.4
4°	360.1	360.1	360.1	360.1	360.1
5°	354.4	353.9	353.9	354.4	353.9
6°	347.3	347.3	347.3	347.3	347.7
7°	339.3	338.9	338.9	338.4	339.3
8°	330.0	330.0	329.6	329.2	330.0
9°	320.3	320.7	319.9	319.4	319.4
10°	309.7	309.2	309.2	309.2	308.4
11°	299.1	297.7	297.3	297.3	298.2
12°	288.5	286.2	285.4	285.4	285.4
13°	275.6	274.7	273.4	272.5	273.0
14°	262.8	262.8	260.6	260.6	261.5
15°	250.8	250.0	247.3	248.2	248.6
17.5°	221.2	219.4	216.3	216.3	216.8
20°	193.3	190.2	185.4	187.6	188.5
22.5°	165.9	162.8	157.9	160.2	161.0
25°	142.0	138.0	134.5	134.9	138.0
27.5°	120.3	115.9	112.4	113.7	115.5
30°	100.0	97.3	92.9	95.1	96.9
32.5°	82.7	80.5	77.4	78.7	80.5
35°	67.7	66.4	64.6	64.6	65.5
37.5°	54.9	54.4	53.5	53.1	52.6
40°	43.4	44.2	44.2	43.4	42.0
42.5°	35.4	36.3	37.2	35.4	34.1
45°	29.6	30.5	31.4	29.6	29.2
47.5°	26.1	26.5	27.0	26.1	25.7
50°	23.4	23.4	23.4	23.0	23.0
52.5°	21.7	21.2	20.8	21.2	21.2
55°	19.9	19.9	19.0	19.5	19.9
57.5°	18.6	18.1	17.7	18.1	18.6
60°	17.7	16.8	16.4	16.8	17.7
62.5°	16.8	15.9	15.0	15.9	16.8
65°	16.4	15.0	14.2	15.0	16.4
67.5°	15.9	14.2	12.8	14.2	15.9
70°	15.9	13.3	11.5	13.3	15.5
72.5°	15.5	12.4	10.6	12.4	15.5
75°	15.0	11.5	9.3	11.5	15.0
77.5°	14.6	10.6	8.0	10.6	14.2
80°	12.8	9.7	6.6	9.7	11.9
82.5°	9.3	8.0	5.3	8.0	8.8
85°	5.3	5.8	3.1	5.8	5.3
87.5°	0.9	1.3	0.9	2.2	1.8



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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)