

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: P1319775

Luminaire Tested: LDSQA3D05R159840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

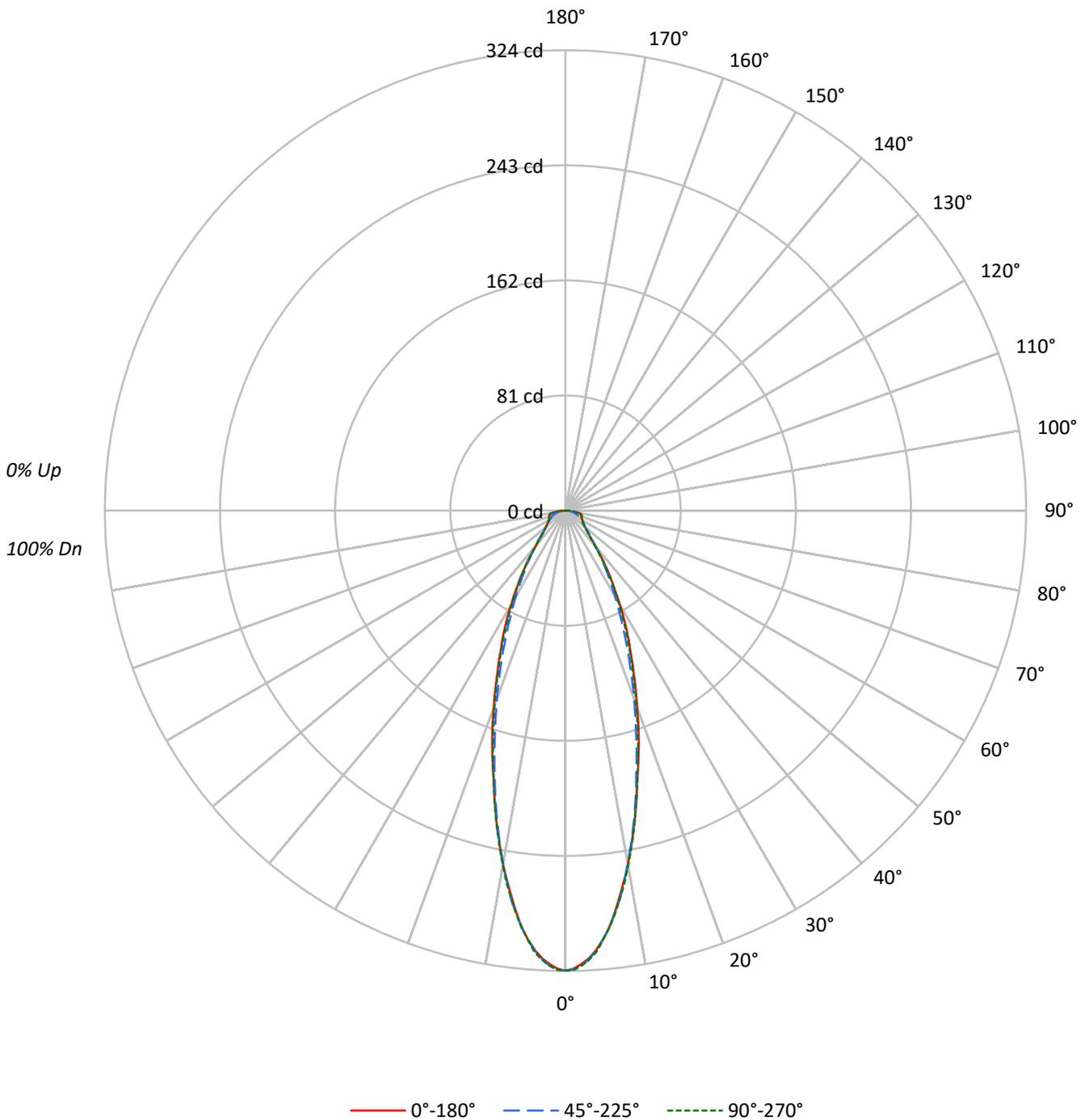
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 217.0 lumens
Efficiency: N/A
Efficacy: 30.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
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





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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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80	80	80	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73	73	73	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61	61	61	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57	57	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53	53	53	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47	47	47	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45	45	45	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55748	55748	55748
5°	52366	52417	52417
10°	44227	44087	44367
15°	34786	34287	34857
20°	27033	25805	26667
25°	20409	18984	20105
30°	15173	13841	14855
35°	10828	10092	10659
40°	7329	7419	7262
45°	5456	5748	5456
50°	4742	4742	4742
55°	4594	4384	4594
60°	4753	4340	4616
65°	5135	4483	5135
70°	6143	4532	6143
75°	7852	4724	7852
80°	9720	5058	9323
85°	7707	4742	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 9720 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	12.6
10°-20°	54.0	24.9
20°-30°	47.7	22.0
30°-40°	31.3	14.4
40°-50°	18.3	8.4
50°-60°	13.5	6.2
60°-70°	11.5	5.3
70°-80°	9.5	4.4
80°-90°	3.9	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°	129.0	59.4
0°-40°	160.3	73.9
0°-60°	192.1	88.5
0°-90°	217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	324	324	324	324	324	
5°	303	303	303	304	303	27
15°	195	195	192	195	196	55
25°	107	104	100	103	106	50
35°	52	50	48	49	51	32
45°	22	23	24	23	22	18
55°	15	15	15	15	15	14
65°	13	11	11	11	13	13
75°	12	9	7	9	12	12
85°	4	4	2	4	4	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	323.7	323.7	323.7	323.7	323.7
1°	322.5	322.9	322.9	323.3	323.3
2°	319.4	320.2	320.6	320.6	320.6
3°	315.4	315.8	316.2	316.6	316.6
4°	309.9	310.3	310.3	311.1	311.5
5°	302.9	302.9	303.2	303.6	303.2
6°	294.6	294.6	295.0	295.0	295.0
7°	284.8	285.2	285.5	285.9	285.5
8°	274.1	274.5	275.7	275.7	275.3
9°	263.5	263.9	263.9	265.1	265.1
10°	252.9	252.9	252.1	252.9	253.7
12.5°	224.2	223.8	222.6	223.8	224.6
15°	195.1	195.1	192.3	194.7	195.5
17.5°	171.5	167.9	165.2	167.6	169.5
20°	147.5	144.0	140.8	143.2	145.5
22.5°	125.9	123.1	119.2	121.5	124.3
25°	107.4	103.8	99.9	102.7	105.8
27.5°	92.0	87.3	83.4	86.5	89.3
30°	76.3	73.2	69.6	72.0	74.7
32.5°	62.9	60.6	57.8	59.8	62.1
35°	51.5	49.6	48.0	49.2	50.7
37.5°	41.3	40.5	39.7	40.1	40.1
40°	32.6	33.0	33.0	33.0	32.3
42.5°	26.7	27.1	27.9	27.1	26.7
45°	22.4	22.8	23.6	22.8	22.4
47.5°	19.7	20.1	20.5	19.7	19.7
50°	17.7	17.7	17.7	17.7	17.7
52.5°	16.5	16.1	16.1	16.1	16.5
55°	15.3	14.9	14.6	14.9	15.3
57.5°	14.2	13.8	13.4	13.8	14.2
60°	13.8	13.0	12.6	13.0	13.4
62.5°	13.0	12.2	11.8	12.2	13.0
65°	12.6	11.4	11.0	11.4	12.6
67.5°	12.2	10.6	9.8	10.6	12.2
70°	12.2	9.8	9.0	10.2	12.2
72.5°	11.8	9.4	7.9	9.4	11.8
75°	11.8	8.7	7.1	9.0	11.8
77.5°	11.0	7.9	5.9	8.3	11.0
80°	9.8	7.1	5.1	7.5	9.4
82.5°	7.1	5.9	3.9	5.9	7.1
85°	3.9	4.3	2.4	3.9	4.3
87.5°	0.4	1.2	0.8	2.4	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)