

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: P1312047

Luminaire Tested: LDSQA3D02R159050DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312047
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: LDSQA3D02R159050DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

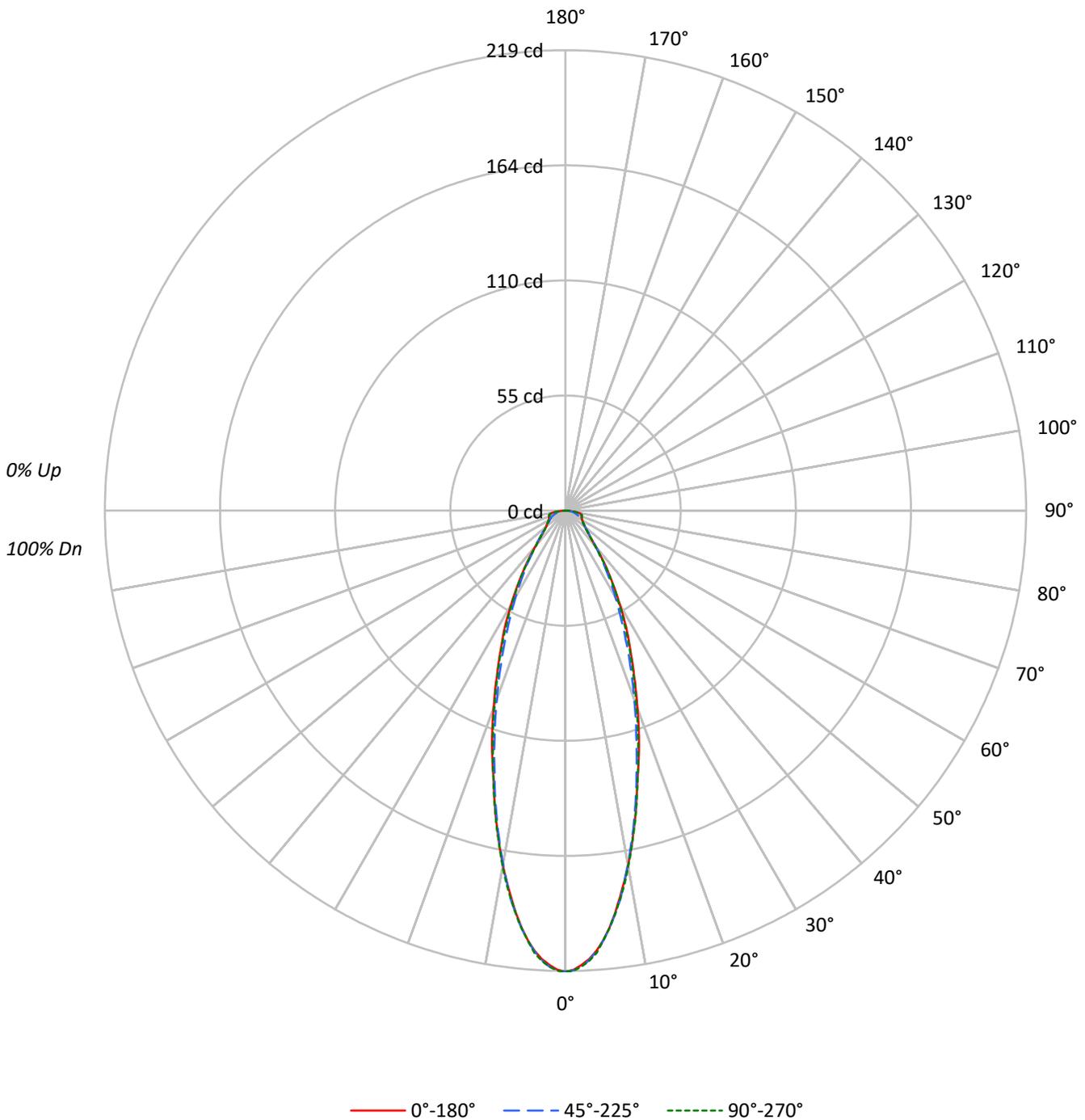
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 147.0 lumens
Efficiency: N/A
Efficacy: 40.8 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): 3.6
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





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37768	37768	37768
5°	35475	35510	35510
10°	29957	29869	30062
15°	23571	23232	23607
20°	18309	17484	18071
25°	13815	12865	13625
30°	10281	9386	10063
35°	7338	6833	7232
40°	4969	5036	4901
45°	3702	3897	3702
50°	3215	3215	3215
55°	3123	2973	3123
60°	3203	2928	3134
65°	3464	3056	3464
70°	4179	3072	4179
75°	5323	3194	5323
80°	6645	3471	6347
85°	5335	3162	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 6645 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	12.6
10°-20°	36.6	24.9
20°-30°	32.3	22.0
30°-40°	21.2	14.4
40°-50°	12.4	8.4
50°-60°	9.1	6.2
60°-70°	7.8	5.3
70°-80°	6.4	4.4
80°-90°	2.7	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°	87.4	59.4
0°-40°	108.6	73.9
0°-60°	130.1	88.5
0°-90°	147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	219	219	219	219	219	
5°	205	205	205	206	205	18
15°	132	132	130	132	132	37
25°	73	70	68	70	72	34
35°	35	34	32	33	34	22
45°	15	16	16	16	15	12
55°	10	10	10	10	10	9
65°	8	8	8	8	8	9
75°	8	6	5	6	8	8
85°	3	3	2	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	219.3	219.3	219.3	219.3	219.3
1°	218.5	218.7	218.7	219.0	219.0
2°	216.3	216.9	217.1	217.1	217.1
3°	213.7	214.0	214.2	214.5	214.5
4°	210.0	210.2	210.2	210.8	211.0
5°	205.2	205.2	205.4	205.7	205.4
6°	199.6	199.6	199.8	199.8	199.8
7°	192.9	193.2	193.4	193.7	193.4
8°	185.7	186.0	186.8	186.8	186.5
9°	178.5	178.8	178.8	179.6	179.6
10°	171.3	171.3	170.8	171.3	171.9
12.5°	151.9	151.6	150.8	151.6	152.1
15°	132.2	132.2	130.3	131.9	132.4
17.5°	116.2	113.8	111.9	113.5	114.8
20°	99.9	97.5	95.4	97.0	98.6
22.5°	85.3	83.4	80.7	82.3	84.2
25°	72.7	70.3	67.7	69.5	71.7
27.5°	62.3	59.1	56.5	58.6	60.5
30°	51.7	49.6	47.2	48.8	50.6
32.5°	42.6	41.0	39.2	40.5	42.1
35°	34.9	33.6	32.5	33.3	34.4
37.5°	28.0	27.4	26.9	27.2	27.2
40°	22.1	22.4	22.4	22.4	21.8
42.5°	18.1	18.4	18.9	18.4	18.1
45°	15.2	15.5	16.0	15.5	15.2
47.5°	13.3	13.6	13.9	13.3	13.3
50°	12.0	12.0	12.0	12.0	12.0
52.5°	11.2	10.9	10.9	10.9	11.2
55°	10.4	10.1	9.9	10.1	10.4
57.5°	9.6	9.3	9.1	9.3	9.6
60°	9.3	8.8	8.5	8.8	9.1
62.5°	8.8	8.3	8.0	8.3	8.8
65°	8.5	7.7	7.5	7.7	8.5
67.5°	8.3	7.2	6.7	7.2	8.3
70°	8.3	6.7	6.1	6.9	8.3
72.5°	8.0	6.4	5.3	6.4	8.0
75°	8.0	5.9	4.8	6.1	8.0
77.5°	7.5	5.3	4.0	5.6	7.5
80°	6.7	4.8	3.5	5.1	6.4
82.5°	4.8	4.0	2.7	4.0	4.8
85°	2.7	2.9	1.6	2.7	2.9
87.5°	0.3	0.8	0.5	1.6	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)