

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: P1313311

Luminaire Tested: LDSQA3D05R159727DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313311
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: LDSQA3D05R159727DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

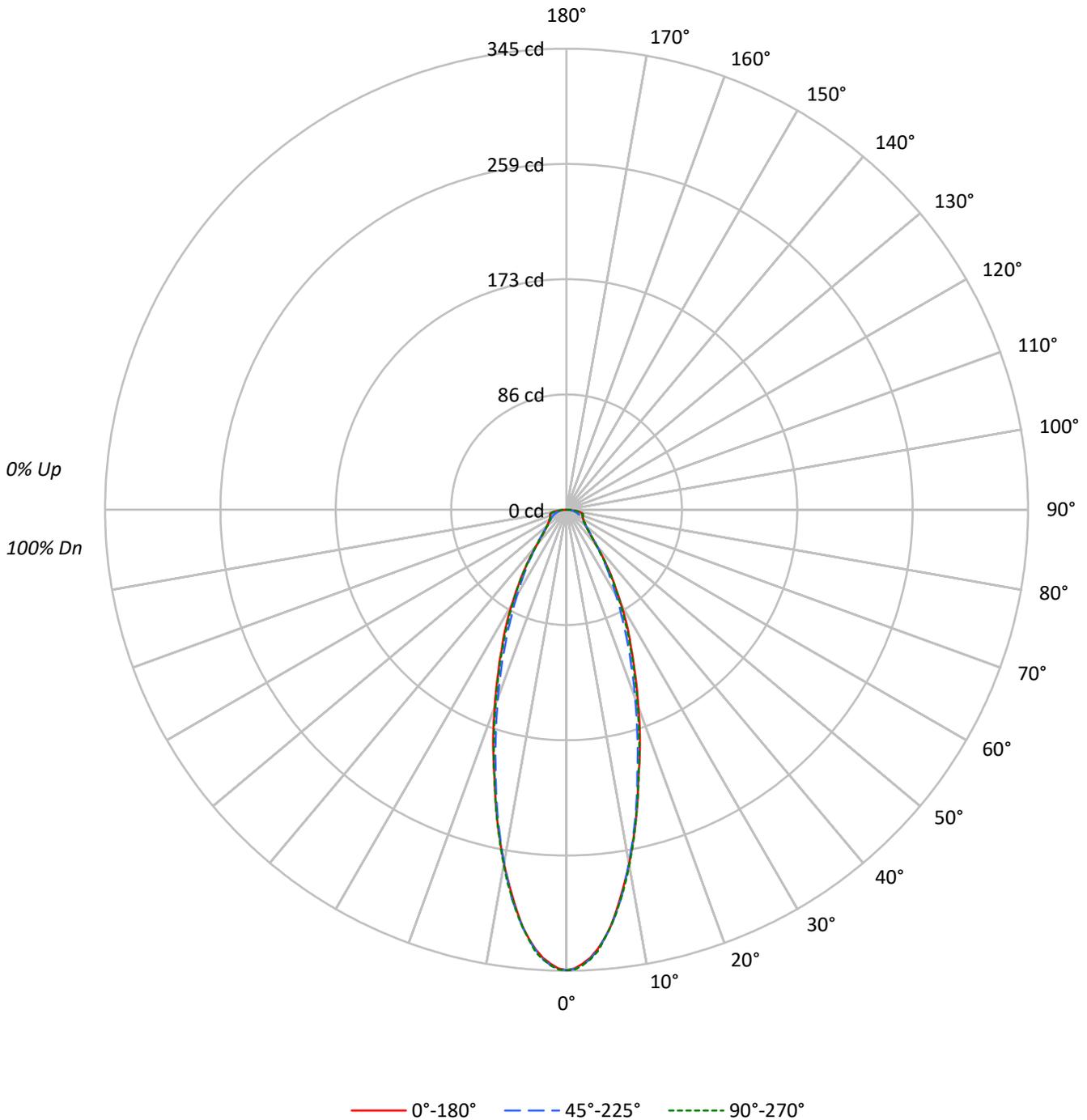
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 231.0 lumens
Efficiency: N/A
Efficacy: 32.1 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
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80				80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73				73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66				66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61				61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57				57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53				53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50				50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47				47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45				45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59348	59348	59348
5°	55737	55806	55806
10°	47078	46938	47235
15°	37032	36498	37104
20°	28774	27473	28389
25°	21720	20200	21397
30°	16148	14736	15830
35°	11521	10744	11353
40°	7824	7914	7711
45°	5821	6113	5821
50°	5037	5037	5037
55°	4894	4654	4894
60°	5063	4616	4891
65°	5461	4768	5461
70°	6546	4834	6546
75°	8384	4991	8384
80°	10414	5356	9918
85°	8299	4940	9090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 10414 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	12.6
10°-20°	57.5	24.9
20°-30°	50.8	22.0
30°-40°	33.4	14.4
40°-50°	19.5	8.4
50°-60°	14.4	6.2
60°-70°	12.2	5.3
70°-80°	10.1	4.4
80°-90°	4.2	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°	137.3	59.4
0°-40°	170.7	73.9
0°-60°	204.5	88.5
0°-90°	231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	231.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	345	345	345	345	345	
5°	322	322	323	323	323	29
15°	208	208	205	207	208	58
25°	114	110	106	109	113	53
35°	55	53	51	52	54	35
45°	24	24	25	24	24	19
55°	16	16	16	16	16	15
65°	13	12	12	12	13	13
75°	13	9	8	10	13	13
85°	4	5	2	4	5	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	344.6	344.6	344.6	344.6	344.6
1°	343.3	343.7	343.7	344.2	344.2
2°	340.0	340.8	341.2	341.2	341.2
3°	335.8	336.2	336.6	337.0	337.0
4°	329.9	330.3	330.3	331.2	331.6
5°	322.4	322.4	322.8	323.2	322.8
6°	313.6	313.6	314.0	314.0	314.0
7°	303.1	303.6	304.0	304.4	304.0
8°	291.8	292.2	293.5	293.5	293.1
9°	280.5	280.9	280.9	282.2	282.2
10°	269.2	269.2	268.4	269.2	270.1
12.5°	238.7	238.2	237.0	238.2	239.1
15°	207.7	207.7	204.7	207.3	208.1
17.5°	182.5	178.8	175.8	178.4	180.5
20°	157.0	153.2	149.9	152.4	154.9
22.5°	134.0	131.1	126.9	129.4	132.3
25°	114.3	110.5	106.3	109.3	112.6
27.5°	98.0	92.9	88.8	92.1	95.0
30°	81.2	77.9	74.1	76.6	79.6
32.5°	67.0	64.5	61.5	63.6	66.2
35°	54.8	52.8	51.1	52.3	54.0
37.5°	44.0	43.1	42.3	42.7	42.7
40°	34.8	35.2	35.2	35.2	34.3
42.5°	28.5	28.9	29.7	28.9	28.5
45°	23.9	24.3	25.1	24.3	23.9
47.5°	20.9	21.4	21.8	20.9	20.9
50°	18.8	18.8	18.8	18.8	18.8
52.5°	17.6	17.2	17.2	17.2	17.6
55°	16.3	15.9	15.5	15.9	16.3
57.5°	15.1	14.7	14.2	14.7	15.1
60°	14.7	13.8	13.4	13.8	14.2
62.5°	13.8	13.0	12.6	13.0	13.8
65°	13.4	12.1	11.7	12.1	13.4
67.5°	13.0	11.3	10.5	11.3	13.0
70°	13.0	10.5	9.6	10.9	13.0
72.5°	12.6	10.0	8.4	10.0	12.6
75°	12.6	9.2	7.5	9.6	12.6
77.5°	11.7	8.4	6.3	8.8	11.7
80°	10.5	7.5	5.4	8.0	10.0
82.5°	7.5	6.3	4.2	6.3	7.5
85°	4.2	4.6	2.5	4.2	4.6
87.5°	0.4	1.3	0.8	2.5	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)