

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: P1310494

Luminaire Tested: LDSQA3D17R209035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310494
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: LDSQA3D17R209035DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

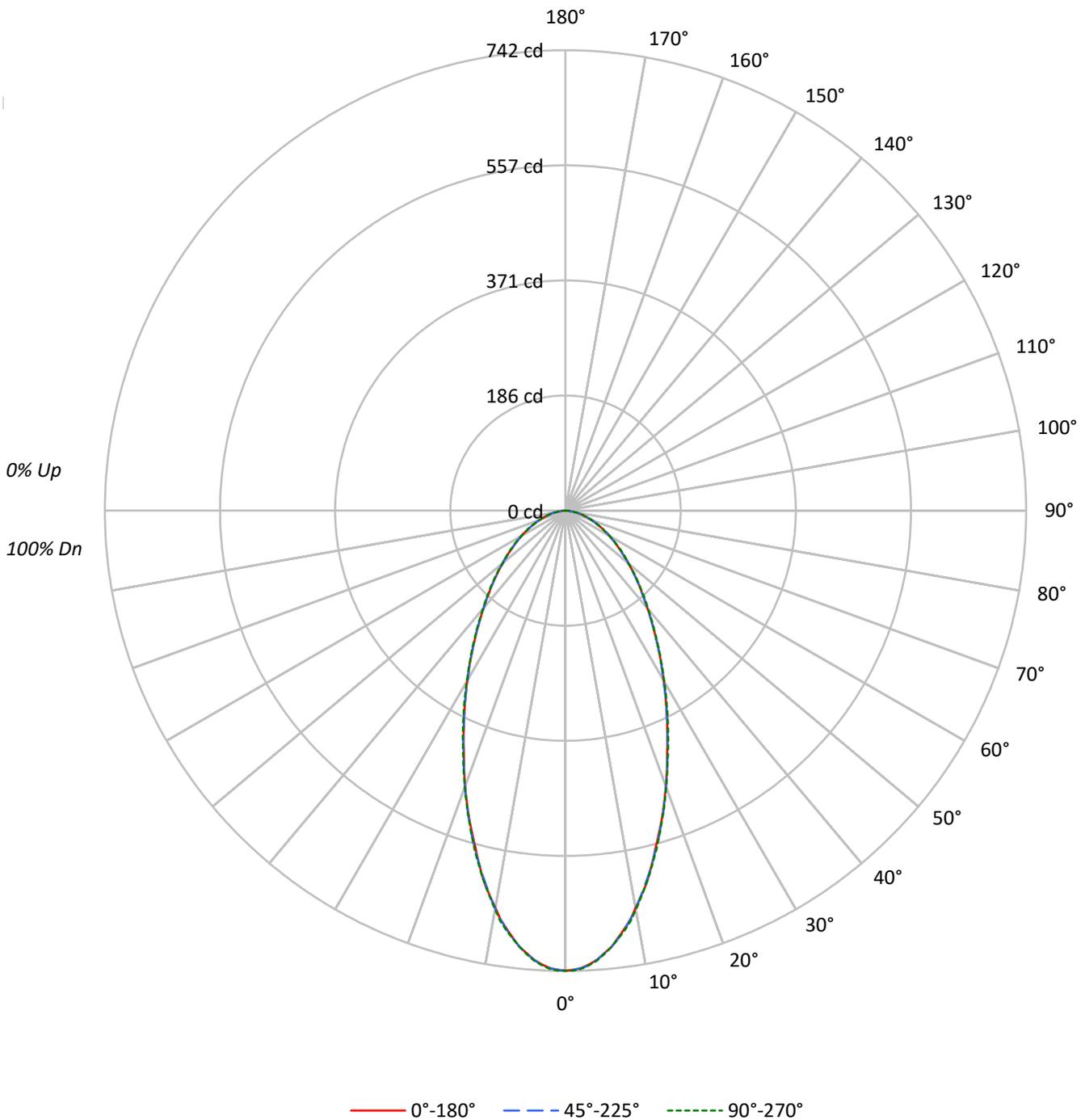
Lumens per Lamp: N/A
Luminaire Lumens: 887.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1310494

CATALOG NUMBER: LDSQA3D17R209035DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot





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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	127720	127720	127720
5°	123852	123852	124076
10°	113707	113934	114161
15°	100114	100578	100810
20°	86653	86653	86891
25°	73730	73730	74243
30°	62941	62682	63199
35°	53739	53739	54012
40°	46156	46156	46448
45°	40309	40309	40650
50°	35474	35474	35474
55°	31407	31407	31798
60°	28279	28279	28279
65°	25347	25347	25347
70°	22660	22660	22660
75°	20295	19364	20295
80°	17059	17059	17059
85°	10473	10473	13042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 40650 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	7.5
10°-20°	157.0	17.7
20°-30°	178.8	20.2
30°-40°	160.5	18.1
40°-50°	128.6	14.5
50°-60°	94.5	10.7
60°-70°	61.8	7.0
70°-80°	32.0	3.6
80°-90°	7.4	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°	402.1	45.3
0°-40°	562.6	63.4
0°-60°	785.8	88.6
0°-90°	887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	716	716	716	716	718	66
15°	562	562	564	564	565	157
25°	388	388	388	389	391	179
35°	256	256	256	256	257	160
45°	166	166	166	166	167	128
55°	105	105	105	105	106	94
65°	62	61	62	62	62	62
75°	30	29	29	30	30	32
85°	5	5	5	7	7	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	741.6	741.6	741.6	741.6	741.6
1°	740.2	738.9	740.2	740.2	741.6
2°	737.6	737.6	737.6	736.3	738.9
3°	732.3	732.3	733.6	732.3	733.6
4°	725.7	725.7	725.7	724.4	727.0
5°	716.4	716.4	716.4	716.4	717.7
6°	707.1	705.8	707.1	705.8	707.1
7°	693.9	693.9	695.2	693.9	695.2
8°	680.7	679.3	682.0	680.7	683.3
9°	667.4	666.1	667.4	666.1	670.1
10°	650.2	651.5	651.5	651.5	652.8
12.5°	610.5	607.8	607.8	607.8	610.5
15°	561.5	561.5	564.1	564.1	565.4
17.5°	517.8	516.5	519.1	519.1	519.1
20°	472.8	471.4	472.8	472.8	474.1
22.5°	427.7	429.1	429.1	429.1	430.4
25°	388.0	388.0	388.0	389.3	390.7
27.5°	350.9	349.6	350.9	352.2	353.6
30°	316.5	315.2	315.2	316.5	317.8
32.5°	284.7	283.4	284.7	284.7	286.0
35°	255.6	255.6	255.6	255.6	256.9
37.5°	229.1	229.1	229.1	230.4	230.4
40°	205.3	205.3	205.3	206.6	206.6
42.5°	184.1	184.1	184.1	185.4	186.7
45°	165.5	165.5	165.5	165.5	166.9
47.5°	148.3	148.3	148.3	149.6	149.6
50°	132.4	131.1	132.4	133.7	132.4
52.5°	117.9	117.9	117.9	117.9	119.2
55°	104.6	104.6	104.6	104.6	105.9
57.5°	92.7	92.7	92.7	94.0	94.0
60°	82.1	82.1	82.1	82.1	82.1
62.5°	71.5	71.5	71.5	71.5	71.5
65°	62.2	60.9	62.2	62.2	62.2
67.5°	53.0	53.0	53.0	53.0	53.0
70°	45.0	45.0	45.0	45.0	45.0
72.5°	37.1	37.1	37.1	37.1	37.1
75°	30.5	29.1	29.1	30.5	30.5
77.5°	23.8	22.5	23.8	23.8	23.8
80°	17.2	17.2	17.2	17.2	17.2
82.5°	10.6	10.6	10.6	11.9	11.9
85°	5.3	5.3	5.3	6.6	6.6
87.5°	1.3	1.3	1.3	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)