

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: P1311642

Luminaire Tested: LDSQA3D17R309040DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309040DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

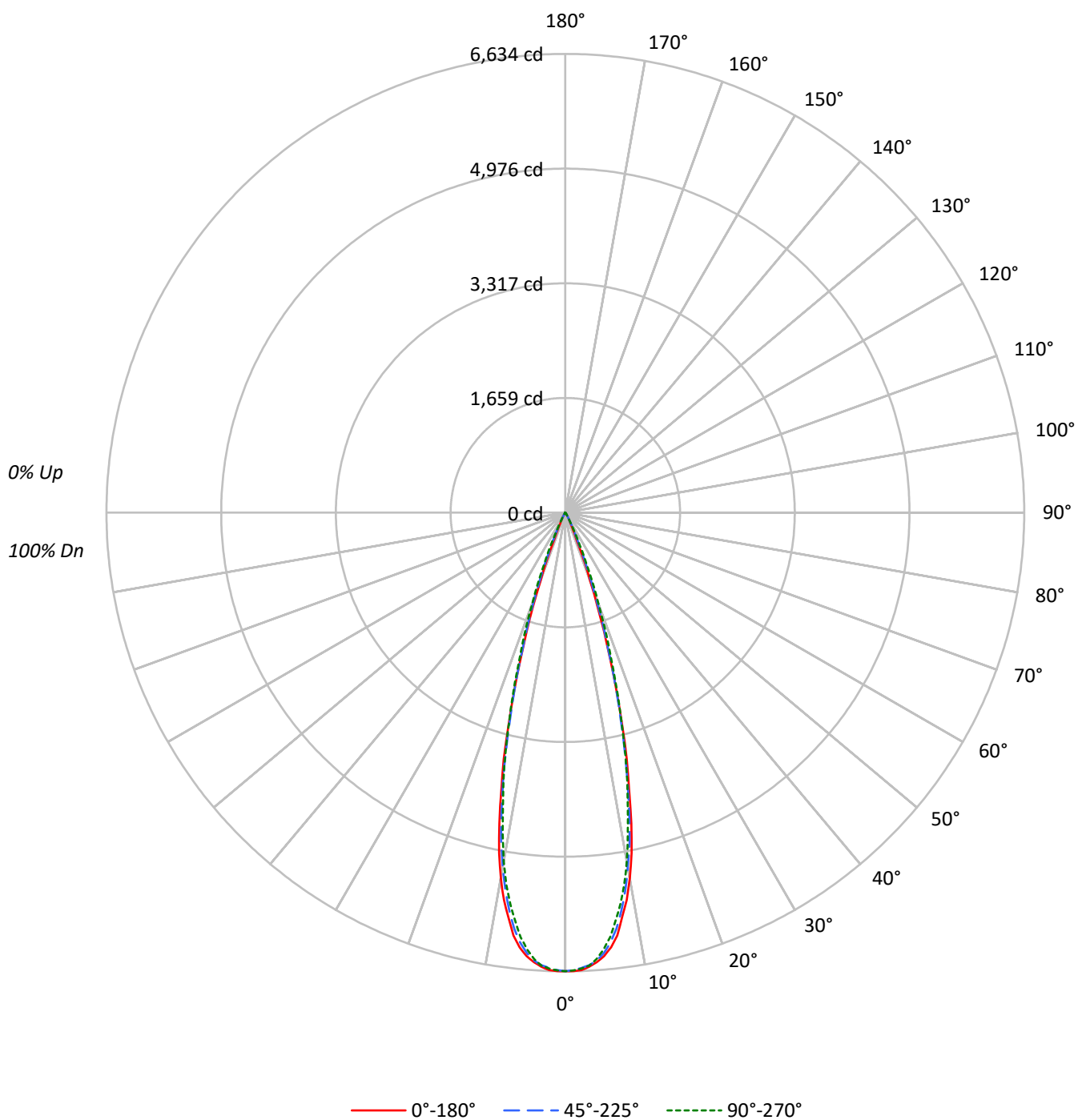
Lumens per Lamp: N/A
Luminaire Lumens: 1607.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1142215	1142215	1142215
5°	1112797	1105139	1096028
10°	939103	910265	895488
15°	565936	550121	560248
20°	191963	221672	255688
25°	35288	55279	65293
30°	12131	13503	15154
35°	3490	4373	4667
40°	944	1551	1237
45°	341	341	341
50°	375	0	375
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 396 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.5	35.7
10°-20°	838.1	52.2
20°-30°	177.3	11.0
30°-40°	16.3	1.0
40°-50°	1.6	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1589.0	98.9
0°-40°	1605.3	99.9
0°-60°	1607.0	100.0
0°-90°	1607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1607.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6632	6632	6632	6632	6632	
5°	6437	6424	6392	6373	6340	581
15°	3174	3163	3085	3157	3142	837
25°	186	208	291	342	344	135
35°	17	21	21	25	22	14
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6632.2	6632.2	6632.2	6632.2	6632.2
1°	6633.5	6626.6	6616.9	6630.8	6621.1
2°	6619.7	6603.1	6589.2	6603.1	6598.9
3°	6578.1	6564.3	6554.6	6561.5	6561.5
4°	6515.8	6500.5	6492.2	6493.6	6472.8
5°	6436.8	6424.3	6392.5	6373.1	6339.8
6°	6320.4	6289.9	6251.2	6219.3	6176.3
7°	6162.5	6115.4	6060.0	6004.5	5950.5
8°	5908.9	5886.8	5812.0	5774.6	5720.5
9°	5670.7	5616.6	5536.3	5475.3	5446.2
10°	5370.0	5289.7	5205.1	5156.6	5120.6
11°	5013.9	4932.2	4864.3	4793.7	4738.2
12°	4595.5	4526.3	4448.7	4401.6	4336.5
13°	4099.5	4089.9	4002.6	3987.3	3979.0
14°	3674.2	3635.4	3549.5	3573.1	3578.6
15°	3174.1	3163.0	3085.4	3157.4	3142.2
17.5°	1988.1	1992.3	2040.8	2154.4	2190.4
20°	1047.4	1079.3	1209.5	1346.7	1395.1
22.5°	423.9	494.6	627.6	720.4	782.8
25°	185.7	207.8	290.9	342.2	343.6
27.5°	105.3	106.7	139.9	145.5	148.2
30°	61.0	62.3	67.9	72.0	76.2
32.5°	33.3	36.0	37.4	42.9	42.9
35°	16.6	20.8	20.8	24.9	22.2
37.5°	9.7	11.1	12.5	12.5	11.1
40°	4.2	5.5	6.9	6.9	5.5
42.5°	1.4	2.8	2.8	2.8	4.2
45°	1.4	1.4	1.4	1.4	1.4
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	0.0	0.0	0.0	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)