

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: P1324003

Luminaire Tested: LDSQA3D17R159030D2WDE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159030D2WDE010 3LSQPHR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

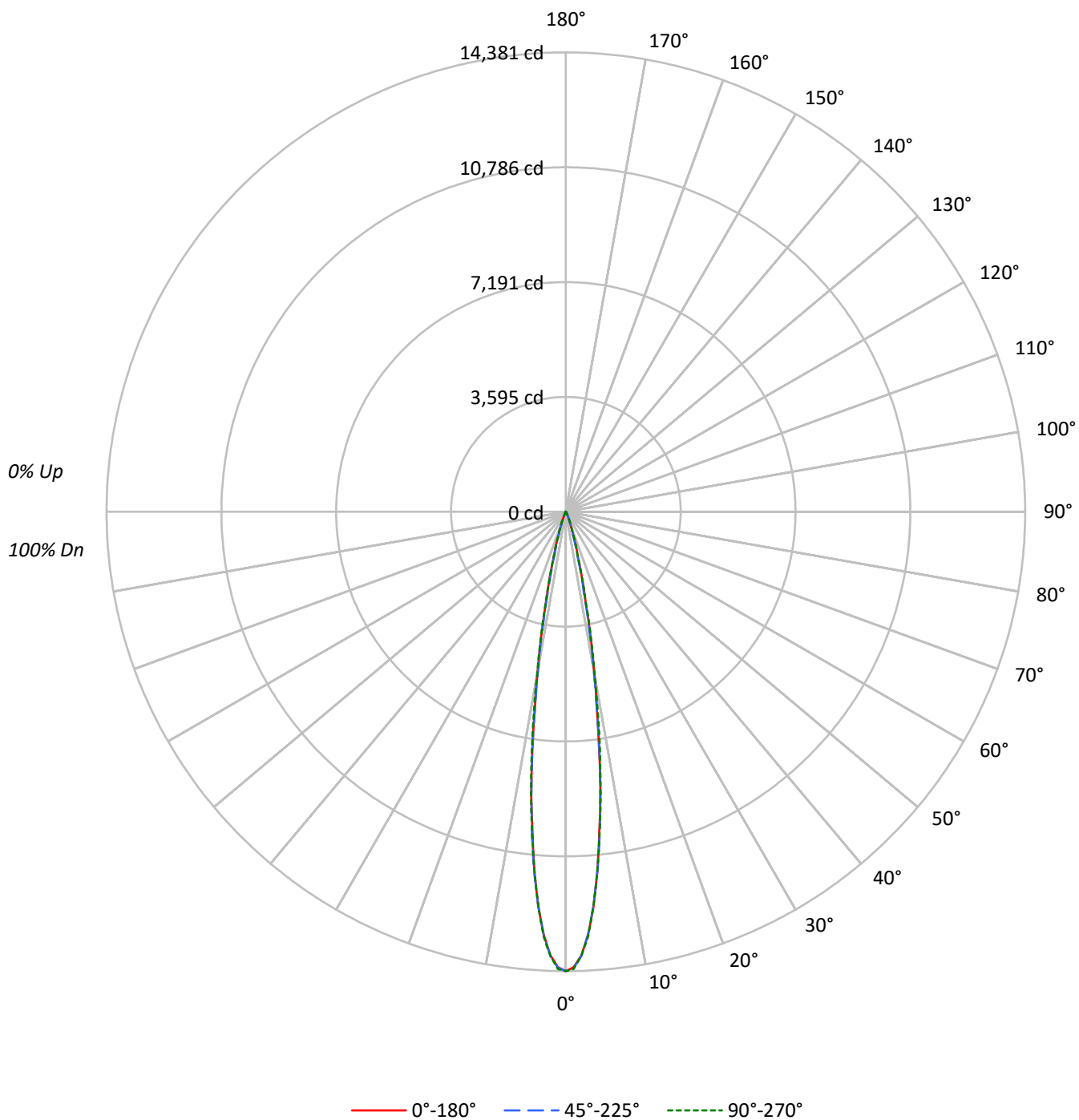
Lumens per Lamp: N/A
Luminaire Lumens: 1440.0 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98		
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97		
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95		
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93		
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92		
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91		
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89		
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88		
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87		
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2476768	2476768	2476768
5°	1953688	1958909	1951942
10°	893826	870393	912713
15°	265753	237261	260369
20°	78918	76536	82877
25°	22442	29017	25996
30°	8014	8591	7736
35°	3028	2733	2733
40°	1304	652	967
45°	706	341	706
50°	375	0	375
55°	420	0	420
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: 47.5°

Luminance: 739 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	868.9	60.3
10°-20°	482.4	33.5
20°-30°	76.8	5.3
30°-40°	10.1	0.7
40°-50°	1.5	0.1
50°-60°	0.3	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°	1428.1	99.2
0°-40°	1438.2	99.9
0°-60°	1440.0	100.0
0°-90°	1440.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1440.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14381	14381	14381	14381	14381	
5°	11301	11395	11331	11283	11291	867
15°	1490	1471	1331	1414	1460	492
25°	118	132	153	152	137	72
35°	14	14	13	14	13	11
45°	3	2	1	1	3	3
55°	1	0	0	0	1	1
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	14381.2	14381.2	14381.2	14381.2	14381.2	14381.2	14381.2	14381.2	14381.2	14381.2	14381.2
1°	14257.4	14273.2	14293.4	14274.7	14257.4	14273.2	14251.6	14254.5	14237.2	14274.7	14316.4
2°	13894.5	13914.6	13903.1	13877.2	13917.5	13920.4	13875.7	13854.1	13851.3	13888.7	13903.1
3°	13252.2	13298.2	13299.7	13291.0	13278.1	13252.2	13206.1	13236.3	13194.5	13168.6	13315.5
4°	12398.2	12438.5	12486.0	12454.3	12359.3	12367.9	12398.2	12295.9	12301.7	12360.7	12365.0
5°	11300.8	11423.2	11428.9	11384.3	11309.4	11331.0	11309.4	11280.6	11290.7	11328.1	11290.7
6°	10009.0	10147.2	10045.0	10142.9	10121.3	10148.7	10155.9	10125.6	10147.2	10124.2	10117.0
7°	8892.9	8787.7	8802.1	8761.8	8805.0	8833.8	8851.1	8799.2	8841.0	8907.3	8926.0
8°	7508.9	7478.6	7448.4	7520.4	7500.2	7534.8	7556.4	7614.0	7611.1	7631.3	7697.5
9°	6191.2	6235.8	6263.2	6199.8	6254.5	6148.0	6185.4	6339.5	6299.2	6339.5	6457.6
10°	5111.1	5147.1	5106.7	5105.3	5047.7	4977.1	4972.8	5030.4	5151.4	5246.4	5219.1
12.5°	2819.8	2851.5	2855.8	2852.9	2749.2	2632.6	2654.2	2700.3	2775.1	2806.8	2858.7
15°	1490.5	1489.1	1504.9	1460.3	1405.6	1330.7	1336.4	1399.8	1456.0	1470.4	1460.3
17.5°	764.7	767.6	779.1	767.6	710.0	717.2	733.0	740.2	773.4	786.3	779.1
20°	430.6	432.0	430.6	434.9	411.9	417.6	437.8	439.2	446.4	453.6	452.2
22.5°	246.3	247.7	256.3	253.5	247.7	254.9	259.2	266.4	269.3	266.4	275.1
25°	118.1	119.5	119.5	136.8	145.5	152.7	155.5	152.7	149.8	138.3	136.8
27.5°	67.7	67.7	70.6	72.0	74.9	87.8	86.4	72.0	60.5	60.5	61.9
30°	40.3	38.9	38.9	40.3	41.8	43.2	40.3	38.9	38.9	40.3	38.9
32.5°	24.5	24.5	24.5	23.0	23.0	21.6	21.6	24.5	24.5	24.5	24.5
35°	14.4	14.4	14.4	14.4	13.0	13.0	13.0	14.4	14.4	13.0	13.0
37.5°	8.6	8.6	8.6	7.2	7.2	5.8	7.2	7.2	7.2	7.2	7.2
40°	5.8	5.8	4.3	4.3	2.9	2.9	2.9	4.3	4.3	4.3	4.3
42.5°	4.3	4.3	2.9	2.9	1.4	1.4	1.4	2.9	2.9	2.9	2.9
45°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9
47.5°	2.9	2.9	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4
50°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
52.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
55°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)