

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: P1311637

Luminaire Tested: LDSQA3D17R309040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309040DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

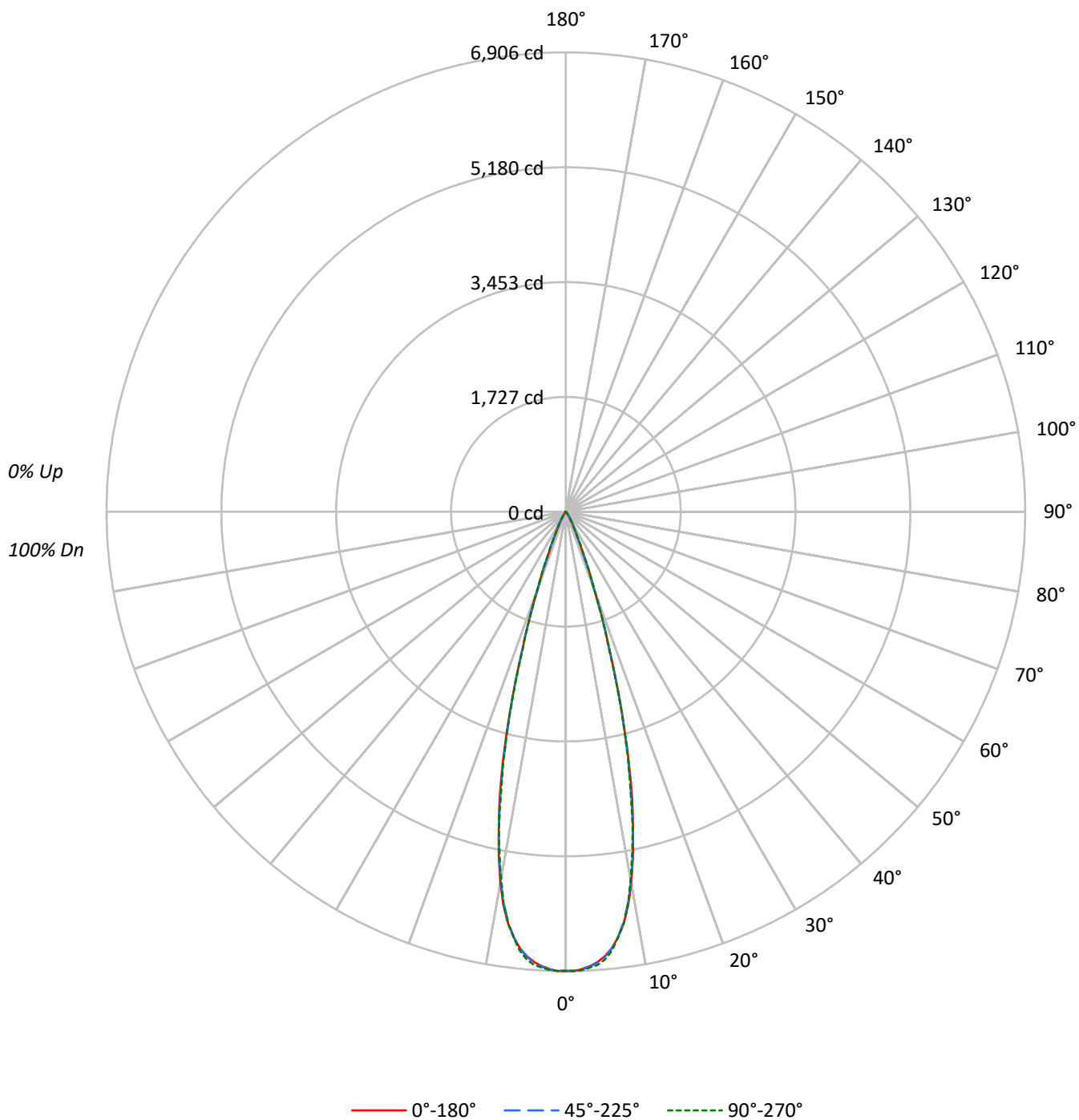
Lumens per Lamp: N/A
Luminaire Lumens: 1781.0 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1188715	1188715	1188715
5°	1159734	1161169	1167635
10°	990500	985900	980077
15°	611259	604091	606302
20°	231019	232283	232027
25°	71070	77911	74224
30°	28657	36353	29750
35°	8452	15432	8746
40°	3417	6228	3417
45°	682	2022	682
50°	0	375	0
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: 45°

Vertical Angle: 45°

Luminance: 2022 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.8	34.2
10°-20°	901.4	50.6
20°-30°	223.6	12.6
30°-40°	42.0	2.4
40°-50°	5.3	0.3
50°-60°	0.0	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°	1733.7	97.3
0°-40°	1775.7	99.7
0°-60°	1781.0	100.0
0°-90°	1781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6902	6902	6902	6902	6902	
5°	6708	6706	6717	6728	6754	609
15°	3428	3395	3388	3414	3400	906
25°	374	399	410	409	391	215
35°	40	53	73	54	42	34
45°	3	4	8	6	3	3
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°	6902.2	6902.2	6902.2	6902.2	6902.2
1°	6905.0	6899.4	6899.4	6891.1	6906.4
2°	6880.0	6874.5	6884.2	6877.3	6896.7
3°	6842.7	6835.7	6849.6	6853.7	6863.4
4°	6787.2	6781.7	6796.9	6805.3	6831.6
5°	6708.3	6705.5	6716.6	6727.7	6754.0
6°	6600.2	6596.1	6603.0	6616.9	6633.5
7°	6443.7	6435.4	6441.0	6443.7	6447.9
8°	6245.6	6233.2	6226.3	6241.5	6249.8
9°	5990.8	5976.9	5961.7	5956.2	5975.5
10°	5663.9	5643.1	5637.6	5623.7	5604.3
11°	5284.4	5267.7	5263.6	5238.6	5227.6
12°	4849.4	4841.1	4850.8	4835.6	4830.0
13°	4432.5	4379.9	4372.9	4343.8	4328.6
14°	3939.4	3890.9	3889.5	3874.3	3895.0
15°	3428.3	3395.0	3388.1	3414.4	3400.5
17.5°	2185.8	2207.9	2202.4	2188.5	2165.0
20°	1260.5	1245.3	1267.4	1273.0	1266.0
22.5°	671.8	677.3	681.5	698.1	709.2
25°	374.0	398.9	410.0	408.6	390.6
27.5°	232.7	247.9	268.7	254.9	239.6
30°	144.1	156.5	182.8	157.9	149.6
32.5°	77.6	98.3	117.7	98.3	80.3
35°	40.2	52.6	73.4	54.0	41.6
37.5°	26.3	30.5	47.1	30.5	26.3
40°	15.2	19.4	27.7	19.4	15.2
42.5°	6.9	11.1	15.2	11.1	6.9
45°	2.8	4.2	8.3	5.5	2.8
47.5°	0.0	1.4	4.2	1.4	0.0
50°	0.0	0.0	1.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)