

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: P1318649

Luminaire Tested: LDSQA3D20R309830D010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318649
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: LDSQA3D20R309830D010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

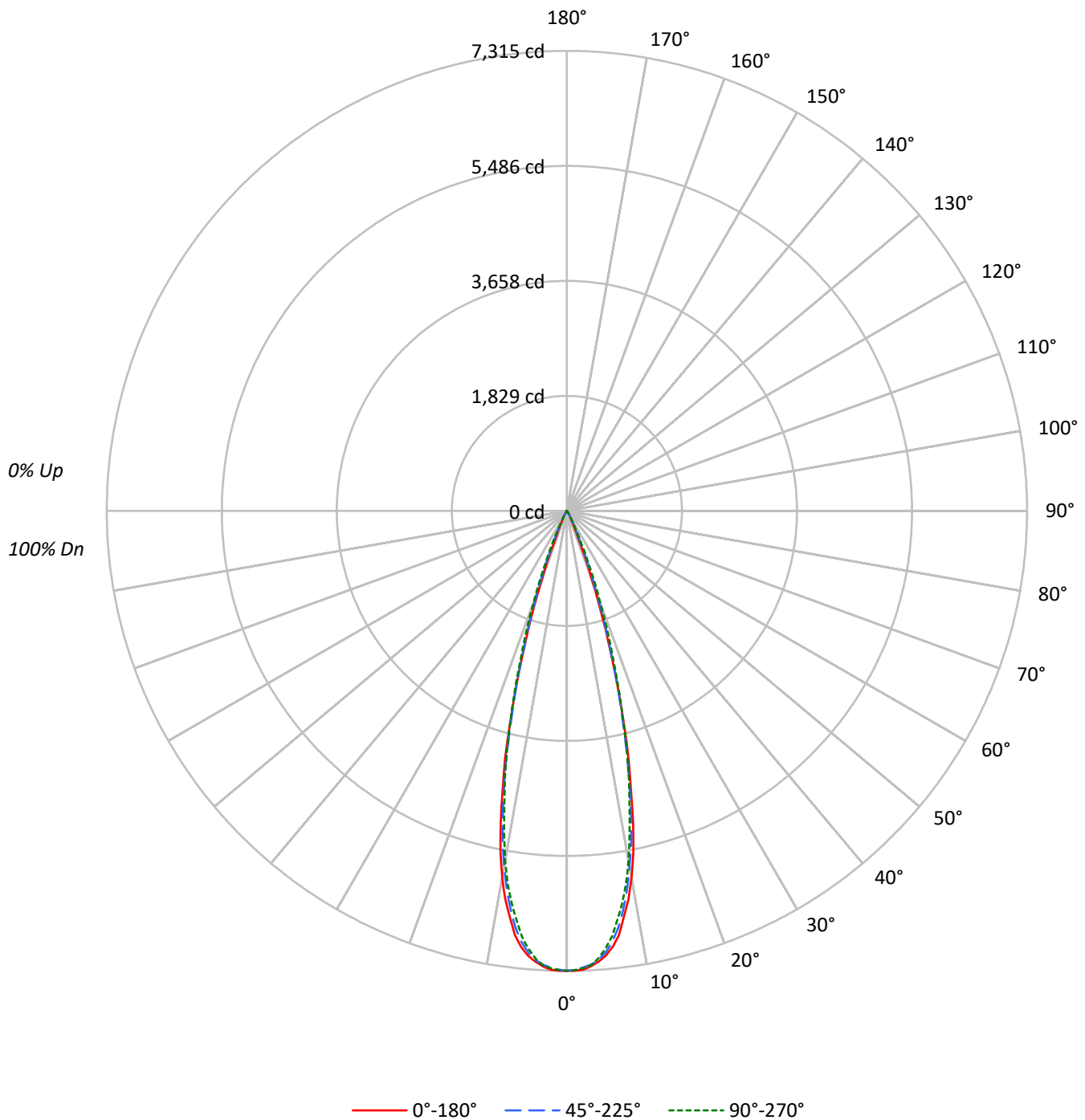
Lumens per Lamp: N/A
Luminaire Lumens: 1772.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	1259481	1259481	1259481
5°	1227054	1218600	1208573
10°	1035531	1003738	987439
15°	624043	606605	617767
20°	211665	244435	281951
25°	38898	60961	72001
30°	13364	14895	16705
35°	3847	4815	5130
40°	1034	1709	1371
45°	365	365	365
50°	402	0	402
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: 424 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	632.4	35.7
10°-20°	924.2	52.2
20°-30°	195.6	11.0
30°-40°	18.0	1.0
40°-50°	1.7	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°	1752.1	98.9
0°-40°	1770.1	99.9
0°-60°	1772.0	100.0
0°-90°	1772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1772.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7313	7313	7313	7313	7313	
5°	7098	7084	7049	7027	6991	641
15°	3500	3488	3402	3482	3465	923
25°	205	229	321	377	379	149
35°	18	23	23	28	24	15
45°	2	2	2	2	2	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7313.1	7313.1	7313.1	7313.1	7313.1
1°	7314.6	7307.0	7296.3	7311.6	7300.9
2°	7299.4	7281.0	7265.8	7281.0	7276.5
3°	7253.5	7238.3	7227.6	7235.2	7235.2
4°	7184.8	7168.0	7158.8	7160.3	7137.4
5°	7097.7	7084.0	7048.8	7027.4	6990.8
6°	6969.4	6935.8	6893.0	6857.9	6810.5
7°	6795.2	6743.3	6682.2	6621.1	6561.5
8°	6515.7	6491.2	6408.7	6367.5	6307.9
9°	6252.9	6193.3	6104.7	6037.5	6005.4
10°	5921.4	5832.8	5739.6	5686.1	5646.4
11°	5528.8	5438.6	5363.8	5285.9	5224.7
12°	5067.4	4991.0	4905.5	4853.5	4781.7
13°	4520.5	4509.8	4413.5	4396.7	4387.6
14°	4051.5	4008.7	3914.0	3939.9	3946.1
15°	3500.0	3487.7	3402.2	3481.6	3464.8
17.5°	2192.3	2196.8	2250.3	2375.6	2415.3
20°	1154.9	1190.1	1333.7	1484.9	1538.4
22.5°	467.5	545.4	692.0	794.4	863.2
25°	204.7	229.2	320.8	377.3	378.9
27.5°	116.1	117.6	154.3	160.4	163.5
30°	67.2	68.7	74.9	79.4	84.0
32.5°	36.7	39.7	41.2	47.4	47.4
35°	18.3	22.9	22.9	27.5	24.4
37.5°	10.7	12.2	13.7	13.7	12.2
40°	4.6	6.1	7.6	7.6	6.1
42.5°	1.5	3.1	3.1	3.1	4.6
45°	1.5	1.5	1.5	1.5	1.5
47.5°	1.5	1.5	0.0	1.5	1.5
50°	1.5	0.0	0.0	0.0	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
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)