

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: P1320402

Luminaire Tested: LDSQA3D20R309840D010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320402
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: LDSQA3D20R309840D010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

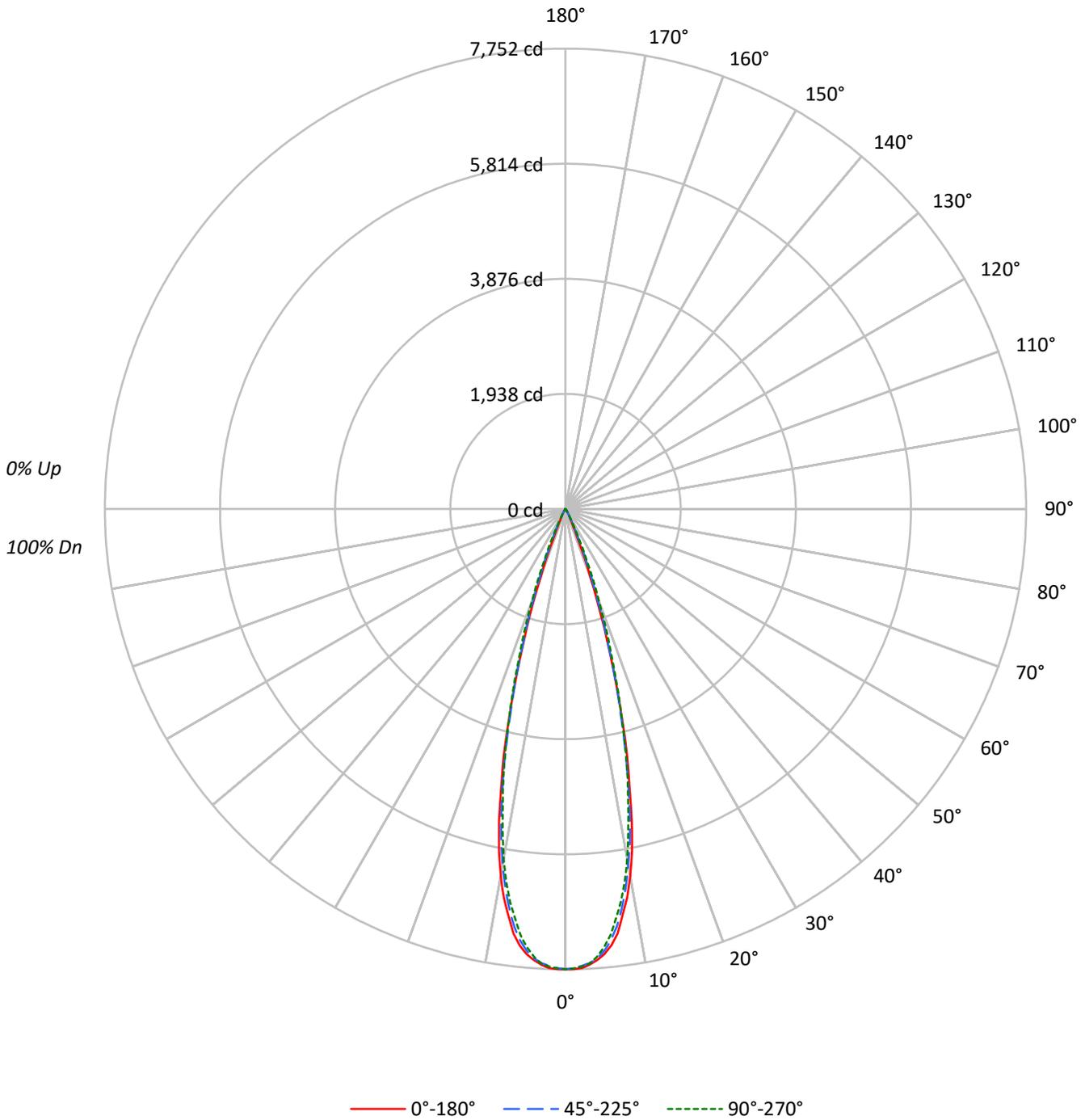
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1878.0 lumens
Efficiency: N/A
Efficacy: 68.5 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

TEST NUMBER: P1320402
CATALOG NUMBER: LDSQA3D20R309840D010 3LSQPHR1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1334829	1334829	1334829
5°	1300459	1291504	1280872
10°	1097473	1063774	1046514
15°	661361	642889	654728
20°	224329	259060	298812
25°	41236	64609	76296
30°	14159	15770	17699
35°	4079	5109	5445
40°	1102	1821	1461
45°	390	390	390
50°	429	0	429
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: 453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.2	35.7
10°-20°	979.5	52.2
20°-30°	207.3	11.0
30°-40°	19.1	1.0
40°-50°	1.8	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°	1856.9	98.9
0°-40°	1876.0	99.9
0°-60°	1878.0	100.0
0°-90°	1878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7751	7751	7751	7751	7751	
5°	7522	7508	7470	7448	7409	679
15°	3709	3696	3606	3690	3672	978
25°	217	243	340	400	402	158
35°	19	24	24	29	26	16
45°	2	2	2	2	2	2
55°	0	0	0	0	0	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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 CATALOG NUMBER: LDSQA3D20R309840D010 3LSQPHR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7750.6	7750.6	7750.6	7750.6	7750.6
1°	7752.2	7744.1	7732.8	7749.0	7737.6
2°	7736.0	7716.6	7700.4	7716.6	7711.7
3°	7687.4	7671.2	7659.9	7668.0	7668.0
4°	7614.6	7596.8	7587.1	7588.7	7564.4
5°	7522.3	7507.7	7470.5	7447.8	7409.0
6°	7386.3	7350.7	7305.3	7268.1	7217.9
7°	7201.7	7146.7	7081.9	7017.1	6954.0
8°	6905.4	6879.5	6792.1	6748.4	6685.2
9°	6626.9	6563.8	6469.9	6398.6	6364.6
10°	6275.6	6181.7	6082.9	6026.3	5984.2
11°	5859.5	5764.0	5684.6	5602.0	5537.3
12°	5370.5	5289.6	5198.9	5143.8	5067.8
13°	4790.9	4779.6	4677.5	4659.7	4650.0
14°	4293.8	4248.5	4148.1	4175.6	4182.1
15°	3709.3	3696.4	3605.7	3689.9	3672.1
17.5°	2323.4	2328.3	2384.9	2517.7	2559.8
20°	1224.0	1261.3	1413.5	1573.8	1630.4
22.5°	495.4	578.0	733.4	841.9	914.8
25°	217.0	242.9	340.0	399.9	401.5
27.5°	123.1	124.7	163.5	170.0	173.2
30°	71.2	72.9	79.3	84.2	89.0
32.5°	38.9	42.1	43.7	50.2	50.2
35°	19.4	24.3	24.3	29.1	25.9
37.5°	11.3	13.0	14.6	14.6	13.0
40°	4.9	6.5	8.1	8.1	6.5
42.5°	1.6	3.2	3.2	3.2	4.9
45°	1.6	1.6	1.6	1.6	1.6
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	0.0	0.0	0.0	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
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



TEST NUMBER: P1320402
CATALOG NUMBER: LDSQA3D20R309840D010 3LSQPHR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)