

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: P1311902

Luminaire Tested: LDSQA3D24R209040D010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R209040D010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

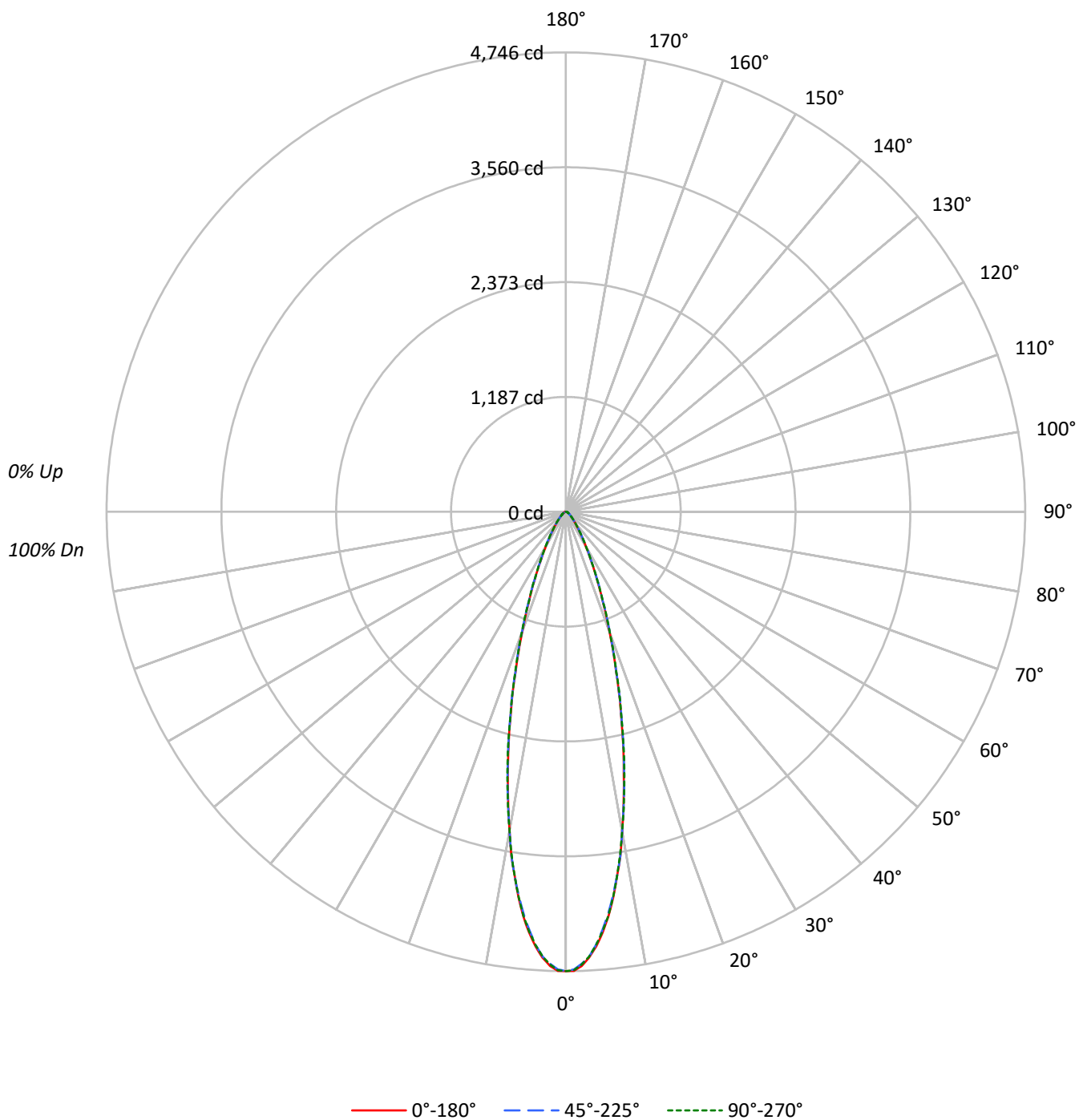
Lumens per Lamp: N/A
Luminaire Lumens: 1668.0 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	817438	817438	817438
5°	754122	749817	752324
10°	585217	585934	585934
15°	395554	397391	397391
20°	240219	243262	244416
25°	140924	142881	142501
30°	82211	83862	84259
35°	50228	51531	51531
40°	32689	33161	33633
45°	22773	23284	23771
50°	16692	17255	17255
55°	13091	13722	13722
60°	11436	11436	12159
65°	10147	10147	11003
70°	9416	9416	9416
75°	8318	8318	8318
80°	6149	6149	8232
85°	4150	4150	8299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 23771 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.7	22.9
10°-20°	612.9	36.7
20°-30°	354.9	21.3
30°-40°	159.2	9.5
40°-50°	75.5	4.5
50°-60°	41.3	2.5
60°-70°	25.1	1.5
70°-80°	13.5	0.8
80°-90°	2.9	0.2
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°	1350.6	81.0
0°-40°	1509.8	90.5
0°-60°	1626.6	97.5
0°-90°	1668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1668.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4746	4746	4746	4746	4746	
5°	4362	4348	4337	4346	4352	384
15°	2218	2218	2229	2218	2229	611
25°	742	742	752	746	750	351
35°	239	241	245	247	245	156
45°	94	94	96	96	98	74
55°	44	44	46	46	46	40
65°	25	25	25	25	27	25
75°	12	12	12	12	12	13
85°	2	2	2	2	4	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4746.4	4746.4	4746.4	4746.4	4746.4
1°	4744.3	4731.9	4727.7	4723.6	4736.0
2°	4696.6	4682.0	4673.7	4677.9	4679.9
3°	4611.4	4603.1	4603.1	4596.9	4601.0
4°	4501.3	4484.7	4484.7	4486.8	4486.8
5°	4362.1	4347.6	4337.2	4345.5	4351.7
6°	4206.3	4187.6	4179.3	4181.4	4196.0
7°	4015.2	3990.3	3994.5	4004.9	4004.9
8°	3799.2	3797.1	3801.3	3797.1	3801.3
9°	3599.8	3570.7	3595.6	3574.9	3585.3
10°	3346.4	3344.3	3350.5	3356.8	3350.5
12.5°	2768.9	2779.3	2783.5	2775.1	2793.8
15°	2218.5	2218.5	2228.8	2218.5	2228.8
17.5°	1726.2	1724.1	1732.4	1724.1	1736.5
20°	1310.7	1325.3	1327.3	1327.3	1333.6
22.5°	988.7	988.7	997.1	999.1	995.0
25°	741.6	741.6	751.9	745.7	749.9
27.5°	548.4	552.5	560.8	565.0	565.0
30°	413.4	415.4	421.7	423.7	423.7
32.5°	311.6	315.7	319.9	322.0	324.0
35°	238.9	241.0	245.1	247.2	245.1
37.5°	182.8	184.9	189.0	191.1	191.1
40°	145.4	145.4	147.5	149.6	149.6
42.5°	114.2	116.3	116.3	118.4	118.4
45°	93.5	93.5	95.6	95.6	97.6
47.5°	74.8	74.8	76.9	78.9	78.9
50°	62.3	62.3	64.4	64.4	64.4
52.5°	51.9	51.9	54.0	54.0	54.0
55°	43.6	43.6	45.7	45.7	45.7
57.5°	37.4	37.4	39.5	39.5	39.5
60°	33.2	33.2	33.2	33.2	35.3
62.5°	29.1	29.1	29.1	29.1	29.1
65°	24.9	24.9	24.9	24.9	27.0
67.5°	20.8	20.8	20.8	20.8	22.8
70°	18.7	18.7	18.7	18.7	18.7
72.5°	14.5	14.5	14.5	16.6	16.6
75°	12.5	12.5	12.5	12.5	12.5
77.5°	10.4	10.4	10.4	10.4	10.4
80°	6.2	6.2	6.2	8.3	8.3
82.5°	4.2	4.2	4.2	4.2	4.2
85°	2.1	2.1	2.1	2.1	4.2
87.5°	0.0	0.0	0.0	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)