

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: P1312110

Luminaire Tested: LDSQA3D02R359050DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359050DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

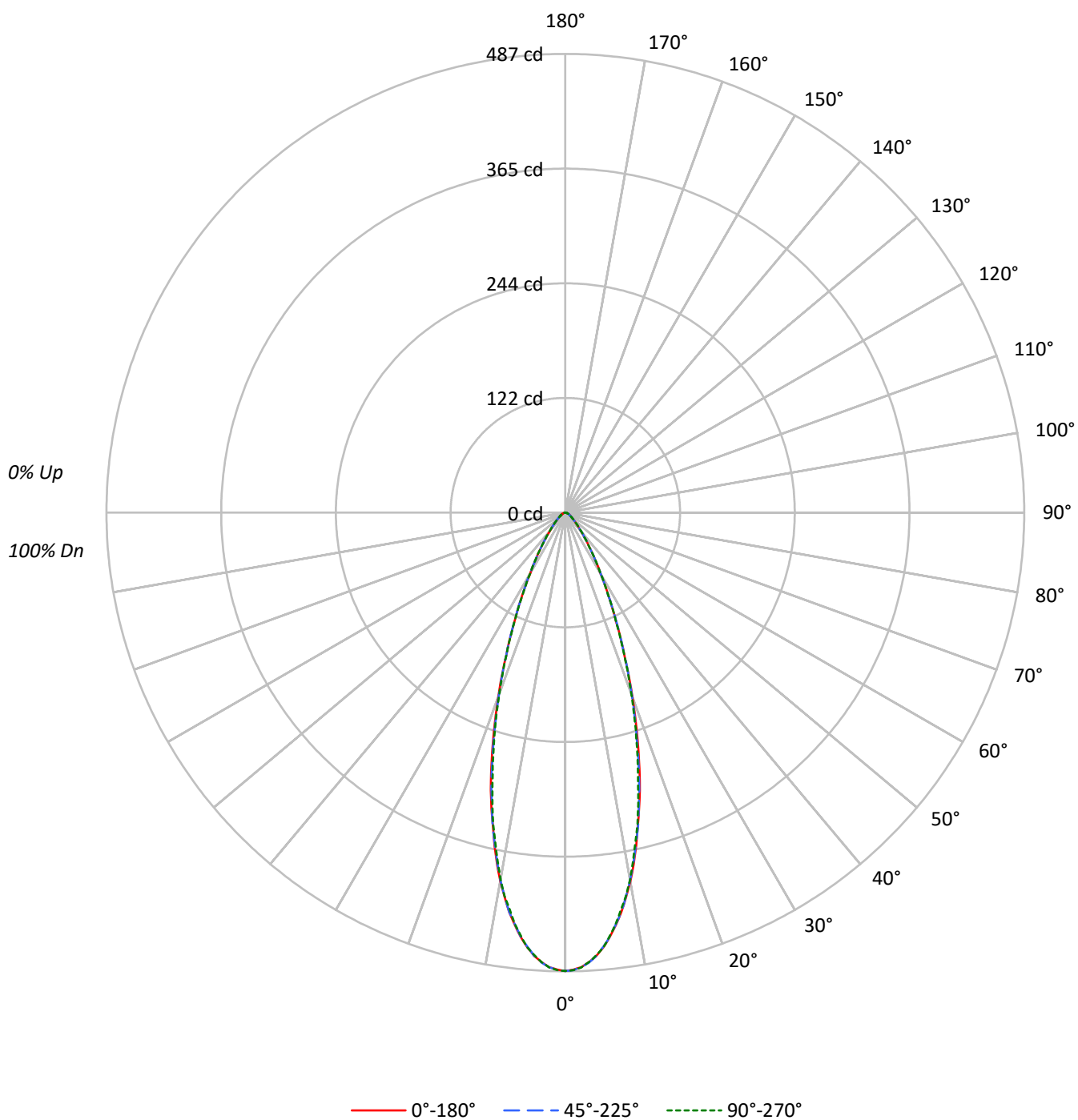
Lumens per Lamp: N/A
Luminaire Lumens: 240.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	83804	83804	83804
5°	80078	79940	80078
10°	69532	69287	69200
15°	54488	54060	53204
20°	38121	37773	37535
25°	24209	24361	24209
30°	14915	15014	14915
35°	9230	9272	9272
40°	5868	5913	5913
45°	3946	4019	4092
50°	2840	2920	2920
55°	2222	2222	2222
60°	1826	1826	1826
65°	1630	1630	1630
70°	1460	1460	1460
75°	1264	1264	1264
80°	1091	1091	1091
85°	593	593	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4092 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	17.5
10°-20°	82.8	34.5
20°-30°	59.7	24.9
30°-40°	28.8	12.0
40°-50°	13.3	5.5
50°-60°	6.9	2.9
60°-70°	4.0	1.7
70°-80°	2.0	0.8
80°-90°	0.5	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°	184.6	76.9
0°-40°	213.4	88.9
0°-60°	233.5	97.3
0°-90°	240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	240.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	487	487	487	487	487	
5°	463	464	462	463	463	42
15°	306	305	303	302	298	83
25°	127	128	128	128	127	60
35°	44	44	44	44	44	29
45°	16	16	16	17	17	13
55°	7	7	7	7	7	7
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	486.6	486.6	486.6	486.6	486.6
1°	485.3	486.1	485.8	486.1	485.8
2°	482.9	483.5	482.9	483.2	483.2
3°	477.9	478.4	478.4	478.1	477.9
4°	471.8	473.1	471.8	472.0	471.2
5°	463.2	464.3	462.4	462.7	463.2
6°	452.9	453.1	452.6	452.3	451.8
7°	440.9	442.0	440.1	440.4	439.8
8°	428.1	427.9	427.9	426.8	425.2
9°	412.7	413.8	412.2	411.7	411.9
10°	397.6	397.6	396.2	394.9	395.7
11°	380.3	379.7	378.9	377.1	376.6
12°	361.4	362.5	360.1	359.3	357.4
13°	342.0	343.6	342.5	339.6	339.9
14°	323.9	322.8	322.0	321.5	319.6
15°	305.6	305.0	303.2	301.8	298.4
17.5°	255.3	255.8	252.4	251.8	250.5
20°	208.0	206.4	206.1	206.4	204.8
22.5°	164.1	165.7	163.8	164.1	163.0
25°	127.4	127.6	128.2	128.2	127.4
27.5°	98.9	98.9	98.4	98.9	98.1
30°	75.0	75.0	75.5	76.1	75.0
32.5°	58.0	58.0	58.0	58.2	58.5
35°	43.9	43.9	44.1	44.1	44.1
37.5°	33.8	34.0	34.3	34.3	34.3
40°	26.1	26.3	26.3	26.6	26.3
42.5°	20.7	20.7	20.7	21.0	21.0
45°	16.2	16.5	16.5	16.8	16.8
47.5°	13.3	13.3	13.3	13.6	13.6
50°	10.6	10.9	10.9	10.9	10.9
52.5°	8.8	8.8	9.0	9.0	9.0
55°	7.4	7.4	7.4	7.4	7.4
57.5°	6.1	6.4	6.4	6.4	6.4
60°	5.3	5.3	5.3	5.3	5.3
62.5°	4.5	4.5	4.5	4.5	4.5
65°	4.0	4.0	4.0	4.0	4.0
67.5°	3.2	3.5	3.5	3.5	3.5
70°	2.9	2.9	2.9	2.9	2.9
72.5°	2.1	2.4	2.4	2.4	2.4
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.6	1.3	1.3	1.3	1.6
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.3	0.3



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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)