

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: P1320899

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQPHRLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R35B2750DE010 3LSQPHRLP1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 80CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

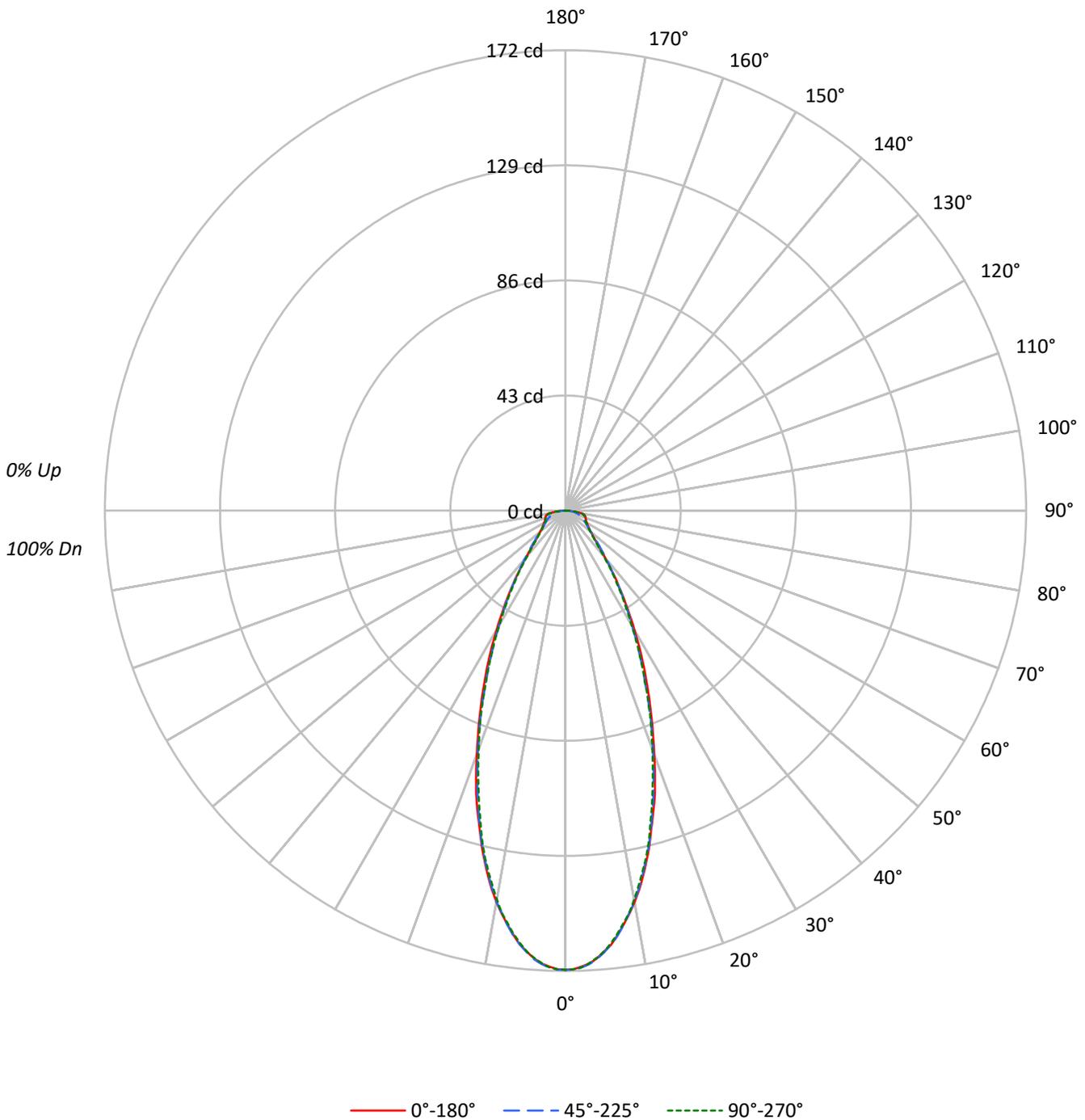
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 142.0 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.72
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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	0
RW	70	50	30	10	70	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	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	66	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29553	29553	29553
5°	28594	28629	28594
10°	25970	25935	25812
15°	22038	21966	21770
20°	17741	17503	17356
25°	13720	13302	13302
30°	10222	9884	9804
35°	7359	7274	7085
40°	5148	5306	4946
45°	3848	4043	3726
50°	3296	3296	3242
55°	3123	2973	3063
60°	3203	2893	3066
65°	3423	2893	3342
70°	4028	3072	3928
75°	5057	3194	4858
80°	6447	3471	5752
85°	5138	3359	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 6447 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	10.7
10°-20°	34.0	24.0
20°-30°	32.5	22.9
30°-40°	21.8	15.4
40°-50°	12.8	9.0
50°-60°	9.2	6.4
60°-70°	7.6	5.4
70°-80°	6.3	4.4
80°-90°	2.6	1.8
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°	81.7	57.6
0°-40°	103.6	72.9
0°-60°	125.5	88.4
0°-90°	142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	142.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	172	172	172	172	172	
5°	165	166	166	165	165	15
15°	124	124	123	122	122	34
25°	72	71	70	70	70	33
35°	35	35	35	34	34	22
45°	16	16	17	16	15	13
55°	10	10	10	10	10	9
65°	8	8	7	8	8	8
75°	8	6	5	6	7	8
85°	3	3	2	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	171.6	171.6	171.6	171.6	171.6
1°	171.4	171.6	171.6	171.4	171.4
2°	170.5	171.0	170.8	170.5	170.8
3°	169.5	169.9	169.7	169.5	169.3
4°	167.7	168.2	168.0	167.5	167.5
5°	165.4	165.8	165.6	165.4	165.4
6°	163.0	163.4	163.0	162.5	162.5
7°	159.7	160.4	160.0	159.5	159.3
8°	156.1	156.7	156.3	156.1	155.6
9°	152.4	152.8	152.2	152.2	152.2
10°	148.5	148.7	148.3	147.6	147.6
11°	144.2	144.0	143.7	143.3	142.9
12°	139.4	139.4	138.8	138.3	138.1
13°	134.4	134.2	133.8	133.4	133.4
14°	129.3	129.3	128.8	128.0	128.2
15°	123.6	123.9	123.2	122.3	122.1
17.5°	110.9	110.5	109.4	108.7	108.1
20°	96.8	96.6	95.5	94.9	94.7
22.5°	83.9	83.7	82.6	81.9	82.4
25°	72.2	71.3	70.0	70.0	70.0
27.5°	61.4	60.3	59.4	59.0	59.4
30°	51.4	50.6	49.7	49.5	49.3
32.5°	42.6	42.2	41.7	41.1	41.1
35°	35.0	35.0	34.6	33.9	33.7
37.5°	28.5	28.7	28.5	27.9	27.7
40°	22.9	23.3	23.6	22.9	22.0
42.5°	18.8	19.5	19.9	18.8	18.2
45°	15.8	16.2	16.6	15.8	15.3
47.5°	13.8	14.1	14.3	13.6	13.4
50°	12.3	12.3	12.3	12.1	12.1
52.5°	11.2	11.2	11.0	10.8	10.8
55°	10.4	10.2	9.9	9.9	10.2
57.5°	9.7	9.5	9.1	9.3	9.5
60°	9.3	8.9	8.4	8.6	8.9
62.5°	8.6	8.2	7.8	8.0	8.4
65°	8.4	7.6	7.1	7.6	8.2
67.5°	8.2	7.1	6.5	7.1	8.0
70°	8.0	6.7	6.1	6.7	7.8
72.5°	7.8	6.3	5.4	6.3	7.6
75°	7.6	5.8	4.8	5.8	7.3
77.5°	7.1	5.4	4.1	5.4	6.7
80°	6.5	5.0	3.5	4.8	5.8
82.5°	4.8	4.1	2.8	4.1	4.3
85°	2.6	2.8	1.7	2.8	2.6
87.5°	0.2	0.4	0.4	1.3	0.9



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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)