

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: P1320888

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQPHRL1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320888
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: LDSQA3D02R35B2750DE010 3LSQPHRL1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 80CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

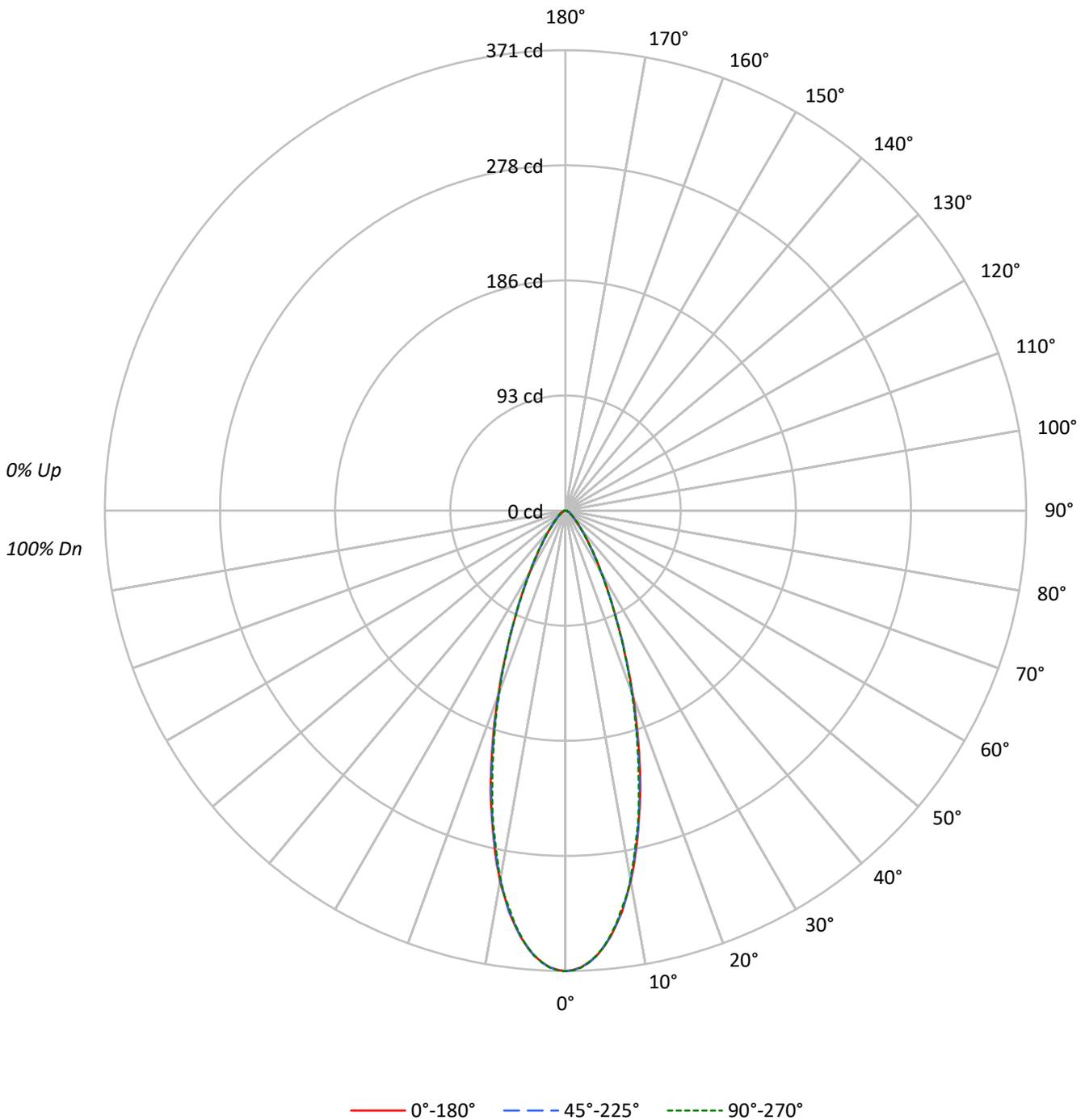
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 183.0 lumens
Efficiency: N/A
Efficacy: 63.1 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): 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	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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	83	83	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	78	78	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63912	63912	63912
5°	61061	60958	61061
10°	53006	52831	52761
15°	41543	41222	40563
20°	29067	28793	28609
25°	18452	18566	18452
30°	11375	11455	11375
35°	7043	7085	7085
40°	4474	4519	4519
45°	3020	3069	3118
50°	2170	2224	2224
55°	1711	1711	1711
60°	1412	1412	1412
65°	1223	1223	1223
70°	1108	1108	1108
75°	932	932	932
80°	793	793	793
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 3118 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	17.5
10°-20°	63.1	34.5
20°-30°	45.5	24.9
30°-40°	22.0	12.0
40°-50°	10.1	5.5
50°-60°	5.3	2.9
60°-70°	3.0	1.6
70°-80°	1.5	0.8
80°-90°	0.4	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°	140.8	76.9
0°-40°	162.7	88.9
0°-60°	178.1	97.3
0°-90°	183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	371	371	371	371	371	
5°	353	354	353	353	353	32
15°	233	233	231	230	228	64
25°	97	97	98	98	97	46
35°	34	34	34	34	34	22
45°	12	13	13	13	13	10
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	1	1	1	1	1	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°	371.1	371.1	371.1	371.1	371.1
1°	370.1	370.7	370.5	370.7	370.5
2°	368.2	368.6	368.2	368.4	368.4
3°	364.4	364.8	364.8	364.6	364.4
4°	359.7	360.7	359.7	359.9	359.3
5°	353.2	354.0	352.6	352.8	353.2
6°	345.3	345.5	345.1	344.9	344.5
7°	336.2	337.0	335.6	335.8	335.4
8°	326.5	326.3	326.3	325.4	324.2
9°	314.7	315.5	314.3	313.9	314.1
10°	303.1	303.1	302.1	301.1	301.7
11°	290.0	289.6	288.9	287.5	287.1
12°	275.6	276.4	274.5	273.9	272.5
13°	260.8	262.0	261.2	258.9	259.1
14°	247.0	246.2	245.6	245.1	243.7
15°	233.0	232.6	231.2	230.1	227.5
17.5°	194.7	195.1	192.4	192.0	191.0
20°	158.6	157.3	157.1	157.3	156.1
22.5°	125.1	126.3	124.9	125.1	124.3
25°	97.1	97.3	97.7	97.7	97.1
27.5°	75.4	75.4	75.0	75.4	74.8
30°	57.2	57.2	57.6	58.0	57.2
32.5°	44.2	44.2	44.2	44.4	44.6
35°	33.5	33.5	33.7	33.7	33.7
37.5°	25.8	26.0	26.2	26.2	26.2
40°	19.9	20.1	20.1	20.3	20.1
42.5°	15.8	15.8	15.8	16.0	16.0
45°	12.4	12.6	12.6	12.8	12.8
47.5°	10.1	10.1	10.1	10.3	10.3
50°	8.1	8.3	8.3	8.3	8.3
52.5°	6.7	6.7	6.9	6.9	6.9
55°	5.7	5.7	5.7	5.7	5.7
57.5°	4.7	4.9	4.9	4.9	4.9
60°	4.1	4.1	4.1	4.1	4.1
62.5°	3.4	3.4	3.4	3.4	3.4
65°	3.0	3.0	3.0	3.0	3.0
67.5°	2.4	2.6	2.6	2.6	2.6
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.6	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.2	1.0	1.0	1.0	1.2
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2



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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)