

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: P1320885

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQPHRL1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320885
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

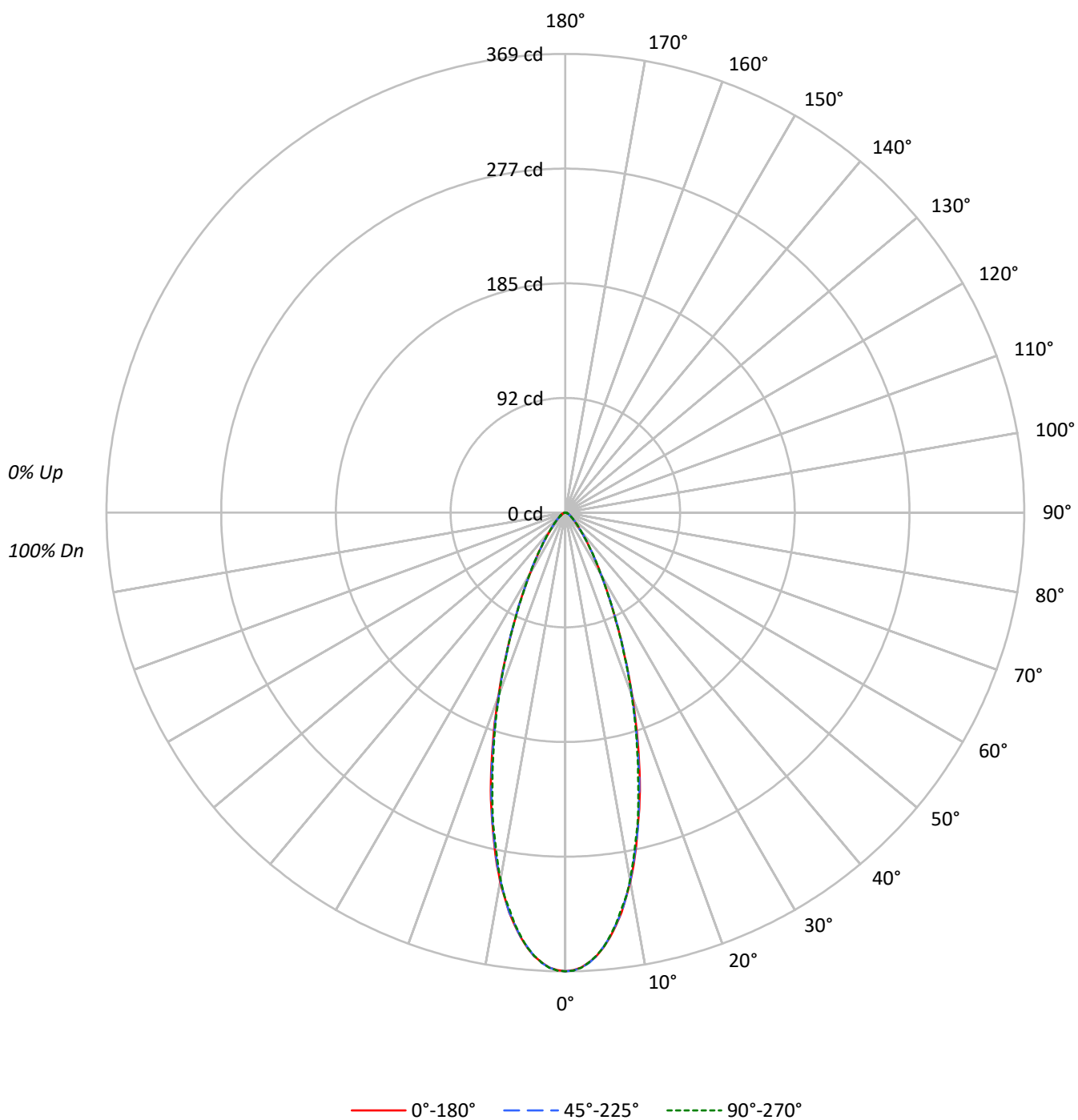
Lumens per Lamp: N/A
Luminaire Lumens: 182.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82		
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77		
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73		
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69		
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65		
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62		
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59		
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63550	63550	63550
5°	60733	60629	60733
10°	52726	52551	52481
15°	41312	40991	40349
20°	28903	28646	28463
25°	18357	18471	18357
30°	11315	11395	11315
35°	7001	7043	7043
40°	4451	4496	4496
45°	2996	3044	3093
50°	2170	2224	2224
55°	1681	1681	1681
60°	1378	1378	1378
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: 3093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	17.5
10°-20°	62.8	34.5
20°-30°	45.3	24.9
30°-40°	21.9	12.0
40°-50°	10.1	5.5
50°-60°	5.2	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°	140.0	76.9
0°-40°	161.8	88.9
0°-60°	177.1	97.3
0°-90°	182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	182.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	369	369	369	369	369	
5°	351	352	351	351	351	32
15°	232	231	230	229	226	63
25°	97	97	97	97	97	45
35°	33	33	34	34	34	22
45°	12	12	12	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°	369.0	369.0	369.0	369.0	369.0
1°	368.0	368.6	368.4	368.6	368.4
2°	366.2	366.6	366.2	366.4	366.4
3°	362.4	362.8	362.8	362.6	362.4
4°	357.7	358.8	357.7	357.9	357.3
5°	351.3	352.1	350.7	350.9	351.3
6°	343.4	343.6	343.2	343.0	342.6
7°	334.4	335.2	333.7	334.0	333.5
8°	324.7	324.5	324.5	323.7	322.5
9°	313.0	313.8	312.6	312.2	312.4
10°	301.5	301.5	300.5	299.5	300.1
11°	288.4	288.0	287.4	286.0	285.6
12°	274.1	274.9	273.0	272.4	271.0
13°	259.3	260.5	259.7	257.5	257.7
14°	245.6	244.8	244.2	243.8	242.4
15°	231.7	231.3	229.9	228.9	226.3
17.5°	193.6	194.0	191.4	191.0	190.0
20°	157.7	156.5	156.3	156.5	155.3
22.5°	124.4	125.6	124.2	124.4	123.6
25°	96.6	96.8	97.2	97.2	96.6
27.5°	75.0	75.0	74.6	75.0	74.4
30°	56.9	56.9	57.3	57.7	56.9
32.5°	44.0	44.0	44.0	44.2	44.4
35°	33.3	33.3	33.5	33.5	33.5
37.5°	25.6	25.8	26.0	26.0	26.0
40°	19.8	20.0	20.0	20.2	20.0
42.5°	15.7	15.7	15.7	15.9	15.9
45°	12.3	12.5	12.5	12.7	12.7
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°	5.6	5.6	5.6	5.6	5.6
57.5°	4.6	4.8	4.8	4.8	4.8
60°	4.0	4.0	4.0	4.0	4.0
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)