

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: P1321032

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCDR1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R50B2750DE010 3LSQCDR1MW_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 80CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

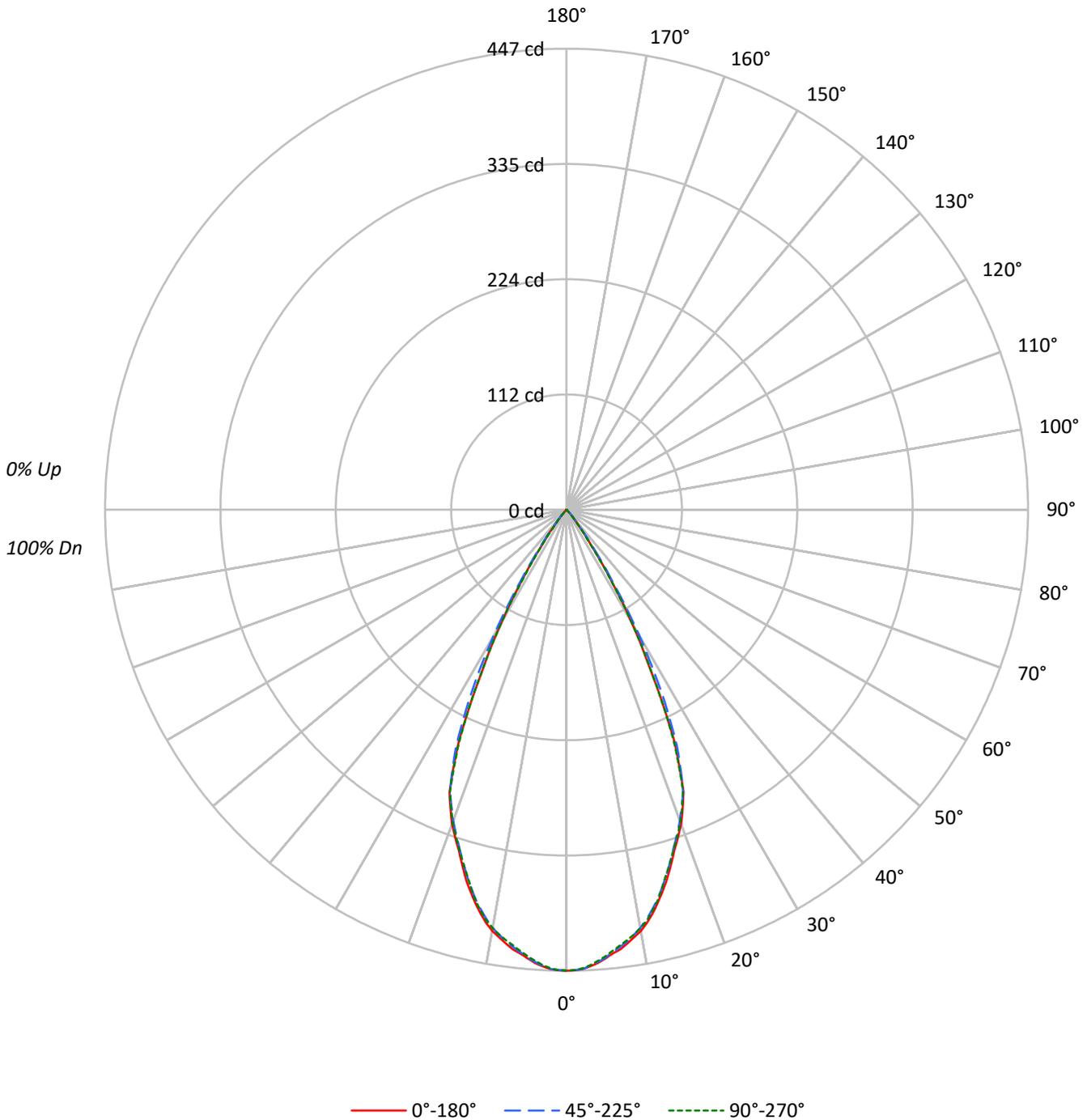
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 288.0 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76966	76966	76966
5°	75462	75324	75099
10°	72505	71998	72033
15°	66559	65935	65863
20°	59455	58831	59125
25°	46728	48096	46348
30°	24997	28020	25077
35°	8158	9545	7695
40°	2023	2518	1933
45°	244	901	244
50°	161	268	161
55°	180	180	180
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	14.2
10°-20°	103.4	35.9
20°-30°	108.7	37.7
30°-40°	31.3	10.9
40°-50°	2.5	0.9
50°-60°	0.5	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
80°-90°	0.1	0.0
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°	252.9	87.8
0°-40°	284.3	98.7
0°-60°	287.3	99.8
0°-90°	288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	288.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	447	447	447	447	447	
5°	436	436	436	436	434	41
15°	373	371	370	370	369	104
25°	246	252	253	250	244	107
35°	39	40	45	39	37	30
45°	1	2	4	2	1	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	446.9	446.9	446.9	446.9	446.9
1°	446.7	447.1	446.3	447.7	446.5
2°	445.7	445.9	445.5	446.5	444.9
3°	443.2	443.6	442.8	443.6	442.2
4°	440.4	440.4	439.5	440.2	438.3
5°	436.5	436.3	435.7	436.1	434.4
6°	432.4	432.2	431.2	431.2	429.9
7°	429.3	427.9	427.1	426.9	425.6
8°	424.4	424.0	422.4	422.4	421.5
9°	419.5	419.1	417.3	417.7	417.0
10°	414.6	413.2	411.7	411.9	411.9
11°	408.1	406.8	404.8	405.6	406.0
12°	400.3	398.9	397.0	398.7	398.4
13°	391.7	390.5	389.0	390.3	389.9
14°	382.7	380.9	379.6	380.5	380.0
15°	373.3	370.8	369.8	369.8	369.4
17.5°	346.9	345.5	344.5	343.9	345.3
20°	324.4	323.2	321.0	321.6	322.6
22.5°	296.2	296.0	294.8	293.8	295.0
25°	245.9	252.1	253.1	250.2	243.9
27.5°	178.7	193.0	198.1	191.4	179.7
30°	125.7	132.5	140.9	127.6	126.1
32.5°	75.8	77.7	85.5	76.3	74.2
35°	38.8	40.3	45.4	38.8	36.6
37.5°	18.2	19.0	21.1	18.2	17.0
40°	9.0	10.0	11.2	9.4	8.6
42.5°	3.9	5.1	6.5	4.9	3.5
45°	1.0	2.0	3.7	2.0	1.0
47.5°	0.6	0.8	2.0	0.8	0.6
50°	0.6	0.6	1.0	0.6	0.6
52.5°	0.6	0.6	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.4	0.6	0.4	0.6	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.0	0.2	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)