

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: P1321078

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R55B2750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 80CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

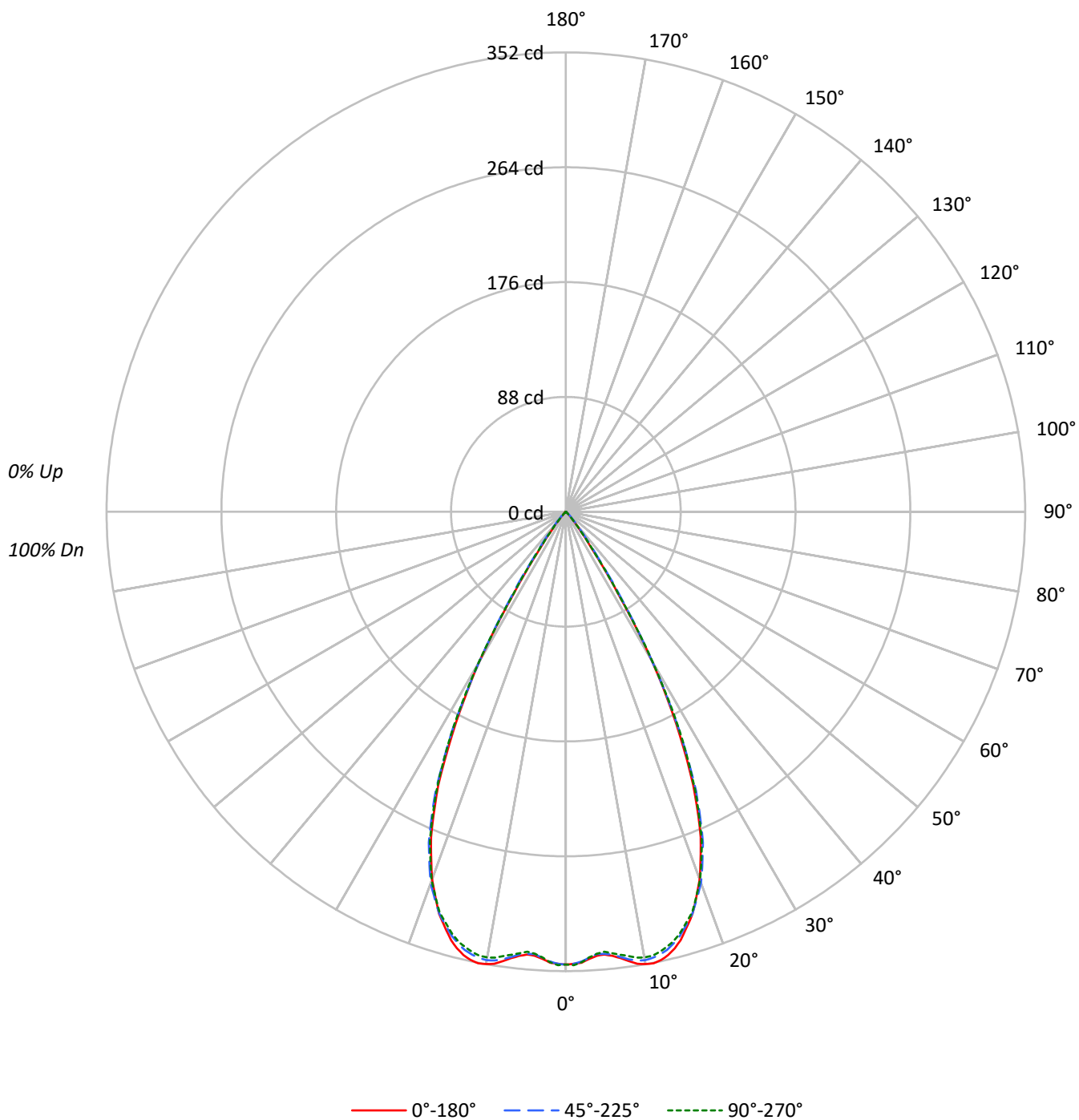
Lumens per Lamp: N/A
Luminaire Lumens: 266.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98	97	96		95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	92	91		89
3	104	98	94	90	102	97	93	90	94	91	88		92	89	87		90	88	86		84
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86	83	81		79
5	95	88	82	79	94	87	82	78	85	81	78		83	80	77		82	79	76		75
6	91	83	78	74	90	82	77	74	81	76	73		79	76	73		78	75	72		71
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75	71	68		67
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71	68	65		63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	64	61		60
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65	61	58		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59744	59744	59744
5°	58883	58779	58503
10°	61540	61015	60631
15°	60586	60051	59783
20°	54928	55496	55093
25°	43934	44846	44428
30°	26350	26350	26668
35°	7611	9020	7863
40°	2181	2945	2181
45°	487	1145	487
50°	214	375	161
55°	180	180	180
60°	207	207	207
65°	163	163	163
70°	201	201	201
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1145 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	12.4
10°-20°	93.7	35.2
20°-30°	103.3	38.8
30°-40°	31.6	11.9
40°-50°	3.1	1.2
50°-60°	0.6	0.2
60°-70°	0.5	0.2
70°-80°	0.3	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°	229.9	86.4
0°-40°	261.5	98.3
0°-60°	265.2	99.7
0°-90°	266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	347	347	347	347	347	
5°	341	341	340	339	338	33
15°	340	339	337	335	335	94
25°	231	233	236	238	234	102
35°	36	38	43	39	37	30
45°	2	3	5	3	2	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	346.9	346.9	346.9	346.9	346.9
1°	346.5	346.7	346.5	346.1	347.5
2°	345.7	345.5	344.8	344.6	345.3
3°	343.0	343.0	342.2	341.8	342.0
4°	341.0	341.0	339.8	339.4	339.6
5°	340.6	340.6	340.0	339.0	338.4
6°	342.2	342.6	341.2	340.2	340.2
7°	344.6	344.8	343.8	342.4	342.0
8°	347.7	347.9	346.3	344.6	343.8
9°	350.7	350.3	348.1	346.5	345.9
10°	351.9	351.7	348.9	347.3	346.7
11°	352.5	351.5	348.3	346.9	346.7
12°	351.1	350.3	346.9	345.5	344.8
13°	348.7	347.5	344.6	343.2	342.4
14°	344.8	343.6	341.0	339.4	339.6
15°	339.8	339.2	336.8	335.3	335.3
17.5°	323.0	323.4	322.8	322.2	321.8
20°	299.7	301.4	302.8	302.0	300.6
22.5°	270.0	272.8	274.5	274.9	272.2
25°	231.2	233.4	236.0	238.3	233.8
27.5°	182.8	184.9	187.3	188.7	188.1
30°	132.5	132.7	132.5	135.1	134.1
32.5°	73.6	79.7	80.7	82.5	76.0
35°	36.2	38.0	42.9	39.4	37.4
37.5°	17.4	18.6	23.3	19.0	18.2
40°	9.7	10.5	13.1	10.9	9.7
42.5°	4.7	6.1	7.1	6.3	4.7
45°	2.0	3.0	4.7	3.0	2.0
47.5°	0.8	1.2	2.8	1.2	0.8
50°	0.8	0.6	1.4	0.6	0.6
52.5°	0.6	0.6	0.8	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°	0.6	0.6	0.6	0.6	0.6
62.5°	0.4	0.6	0.6	0.6	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°	0.4	0.4	0.4	0.4	0.4
72.5°	0.2	0.4	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°	0.2	0.2	0.2	0.2	0.2
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)