

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: P1320980

Luminaire Tested: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

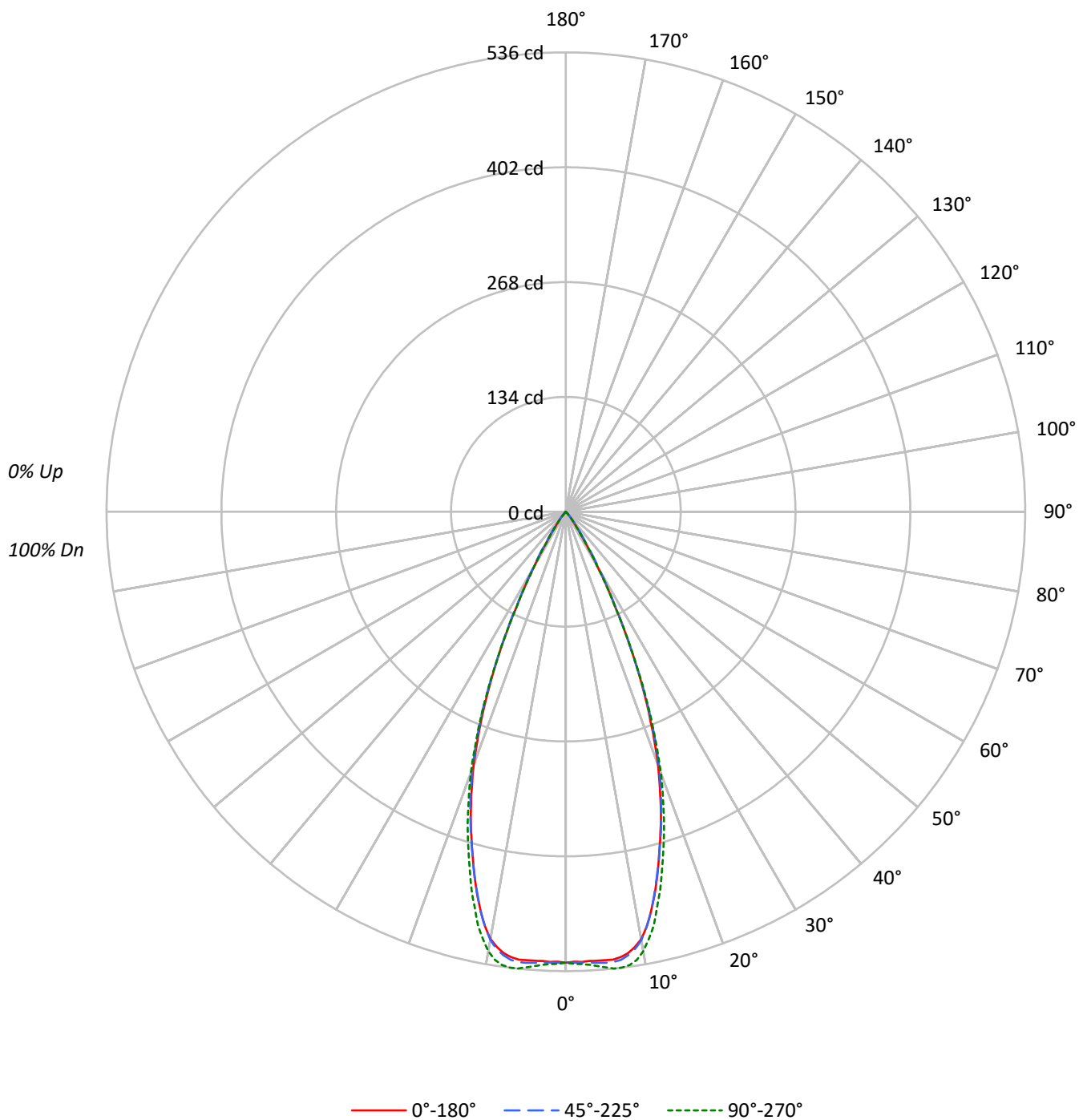
Lumens per Lamp: N/A
Luminaire Lumens: 272.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1320980

CATALOG NUMBER: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1320980

CATALOG NUMBER: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_2700K

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	90606	90606	90606
5°	90814	91333	92249
10°	88541	88716	91042
15°	74689	74725	77185
20°	57658	58483	59436
25°	35763	35801	36048
30°	14756	15690	14517
35°	4583	5614	4415
40°	1416	1956	1326
45°	97	731	97
50°	0	107	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 731 cd/sqm

TEST NUMBER: P1320980

CATALOG NUMBER: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	18.4
10°-20°	116.4	42.8
20°-30°	85.4	31.4
30°-40°	18.4	6.7
40°-50°	1.7	0.6
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	251.9	92.6
0°-40°	270.2	99.4
0°-60°	272.0	100.0
0°-90°	272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	272.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	526	526	526	526	526	
5°	525	527	528	532	534	50
15°	419	418	419	426	433	115
25°	188	188	188	188	190	84
35°	22	24	27	23	21	17
45°	0	1	3	1	0	1
55°	0	0	0	0	0	0
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	

TEST NUMBER: P1320980

CATALOG NUMBER: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	526.1	526.1	526.1	526.1	526.1
1°	525.1	526.3	526.3	527.1	527.5
2°	525.5	526.3	526.1	527.5	528.1
3°	524.9	526.3	526.7	528.3	529.3
4°	525.1	526.3	527.5	529.9	531.4
5°	525.3	526.7	528.3	532.0	533.6
6°	525.5	526.5	528.3	533.0	536.0
7°	523.5	524.9	526.9	532.8	536.0
8°	520.2	521.0	522.7	530.3	534.2
9°	514.2	514.0	516.4	524.9	529.3
10°	506.3	503.9	507.3	515.8	520.6
11°	493.5	490.9	493.9	503.0	507.7
12°	477.0	477.0	477.6	485.7	493.7
13°	459.4	457.4	458.6	467.7	473.3
14°	440.0	437.9	439.2	446.0	454.9
15°	418.9	418.1	419.1	425.8	432.9
17.5°	369.0	367.2	370.8	377.5	381.1
20°	314.6	317.6	319.1	323.3	324.3
22.5°	252.1	255.4	257.4	258.0	258.6
25°	188.2	187.6	188.4	188.4	189.7
27.5°	123.7	123.7	126.0	124.5	123.1
30°	74.2	77.2	78.9	76.2	73.0
32.5°	40.4	43.5	46.1	42.3	39.4
35°	21.8	23.5	26.7	22.8	21.0
37.5°	11.9	13.3	15.4	12.9	11.9
40°	6.3	7.7	8.7	7.7	5.9
42.5°	2.0	3.8	5.1	3.8	1.8
45°	0.4	1.2	3.0	1.2	0.4
47.5°	0.0	0.2	1.4	0.2	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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



TEST NUMBER: P1320980

CATALOG NUMBER: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)