

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: P1320889

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQPHRL1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320889
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 80CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

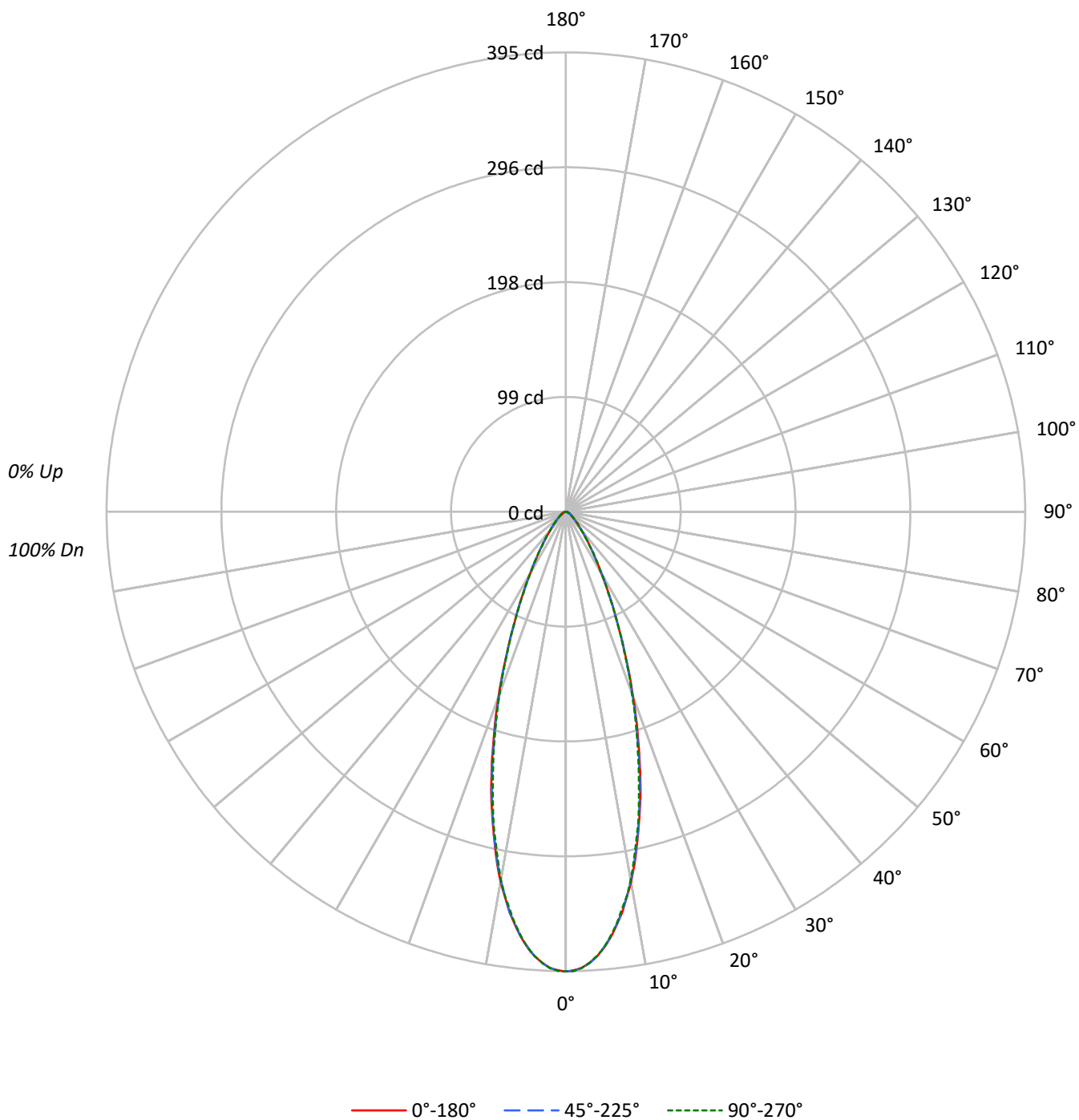
Lumens per Lamp: N/A
Luminaire Lumens: 195.0 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1320889

CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQPHRL1MW_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1320889

CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQPHRL1MW_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	68097	68097	68097
5°	65072	64951	65072
10°	56486	56294	56224
15°	44271	43915	43219
20°	30974	30699	30497
25°	19668	19782	19668
30°	12111	12210	12111
35°	7506	7548	7548
40°	4766	4811	4811
45°	3215	3264	3312
50°	2304	2385	2385
55°	1802	1802	1802
60°	1481	1481	1481
65°	1304	1304	1304
70°	1209	1209	1209
75°	998	998	998
80°	893	893	893
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3312 cd/sqm

TEST NUMBER: P1320889

CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQPHRL1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	17.5
10°-20°	67.3	34.5
20°-30°	48.5	24.9
30°-40°	23.4	12.0
40°-50°	10.8	5.5
50°-60°	5.6	2.9
60°-70°	3.2	1.7
70°-80°	1.6	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°	150.0	76.9
0°-40°	173.4	88.9
0°-60°	189.8	97.3
0°-90°	195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	395	395	395	395	395	
5°	376	377	376	376	376	34
15°	248	248	246	245	242	68
25°	104	104	104	104	104	49
35°	36	36	36	36	36	23
45°	13	13	13	14	14	11
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1320889

CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQPHRL1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	395.4	395.4	395.4	395.4	395.4
1°	394.3	395.0	394.8	395.0	394.8
2°	392.4	392.8	392.4	392.6	392.6
3°	388.3	388.7	388.7	388.5	388.3
4°	383.3	384.4	383.3	383.5	382.9
5°	376.4	377.3	375.7	376.0	376.4
6°	368.0	368.2	367.7	367.5	367.1
7°	358.2	359.1	357.6	357.8	357.4
8°	347.9	347.6	347.6	346.8	345.5
9°	335.3	336.2	334.9	334.5	334.7
10°	323.0	323.0	321.9	320.9	321.5
11°	309.0	308.5	307.9	306.4	305.9
12°	293.6	294.5	292.6	291.9	290.4
13°	277.9	279.2	278.3	275.9	276.1
14°	263.2	262.3	261.7	261.2	259.7
15°	248.3	247.8	246.3	245.2	242.4
17.5°	207.4	207.9	205.0	204.6	203.5
20°	169.0	167.7	167.5	167.7	166.4
22.5°	133.3	134.6	133.1	133.3	132.4
25°	103.5	103.7	104.1	104.1	103.5
27.5°	80.4	80.4	79.9	80.4	79.7
30°	60.9	60.9	61.4	61.8	60.9
32.5°	47.1	47.1	47.1	47.3	47.5
35°	35.7	35.7	35.9	35.9	35.9
37.5°	27.4	27.7	27.9	27.9	27.9
40°	21.2	21.4	21.4	21.6	21.4
42.5°	16.9	16.9	16.9	17.1	17.1
45°	13.2	13.4	13.4	13.6	13.6
47.5°	10.8	10.8	10.8	11.0	11.0
50°	8.6	8.9	8.9	8.9	8.9
52.5°	7.1	7.1	7.3	7.3	7.3
55°	6.0	6.0	6.0	6.0	6.0
57.5°	5.0	5.2	5.2	5.2	5.2
60°	4.3	4.3	4.3	4.3	4.3
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.2	3.2	3.2	3.2	3.2
67.5°	2.6	2.8	2.8	2.8	2.8
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.7	1.9	1.9	1.9	1.9
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.3	1.1	1.1	1.1	1.3
80°	0.9	0.9	0.9	0.9	0.9
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



TEST NUMBER: P1320889
CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQPHRL1MW_5000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)