

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: P1320800

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHRL1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHRL1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

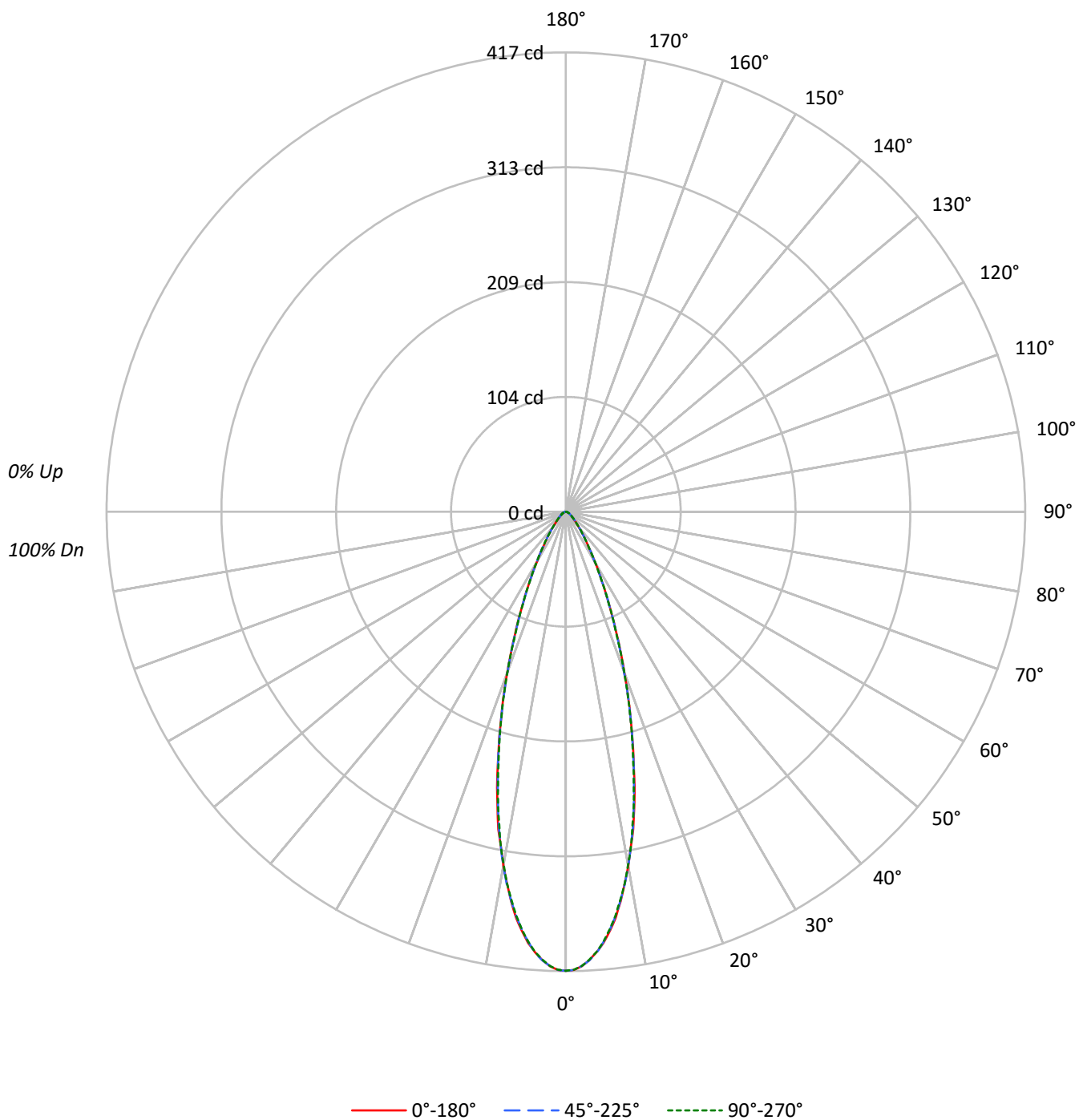
Lumens per Lamp: N/A
Luminaire Lumens: 183.0 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1320800

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHRL1MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1320800

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHRL1MW_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	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	97	106	102	98	96	99	96	93		96	93	91		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	71765	71765	71765
5°	67942	67769	67735
10°	57081	57081	56871
15°	42524	42417	42167
20°	28463	28316	28353
25°	17539	17501	17577
30°	10540	10540	10600
35°	6476	6476	6518
40°	4092	4092	4182
45°	2801	2850	2850
50°	2063	2063	2063
55°	1591	1651	1651
60°	1309	1309	1378
65°	1141	1141	1141
70°	1007	1108	1108
75°	932	932	932
80°	793	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2850 cd/sqm

TEST NUMBER: P1320800

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHRL1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	19.3
10°-20°	65.2	35.6
20°-30°	43.4	23.7
30°-40°	20.0	11.0
40°-50°	9.3	5.1
50°-60°	5.0	2.7
60°-70°	2.9	1.6
70°-80°	1.5	0.8
80°-90°	0.3	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°	143.9	78.7
0°-40°	164.0	89.6
0°-60°	178.3	97.4
0°-90°	183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	417	417	417	417	417	
5°	393	392	392	393	392	35
15°	238	239	238	238	236	65
25°	92	92	92	92	92	43
35°	31	31	31	31	31	20
45°	12	12	12	12	12	9
55°	5	6	6	6	6	5
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1320800

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHRL1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	416.7	416.7	416.7	416.7	416.7
1°	415.9	415.5	415.9	416.5	415.7
2°	413.0	412.6	412.6	413.5	412.6
3°	407.6	408.0	407.8	408.6	407.2
4°	400.7	400.5	401.3	401.7	400.5
5°	393.0	392.2	392.0	393.0	391.8
6°	382.5	381.9	381.5	382.7	381.1
7°	371.1	370.7	370.1	370.5	369.3
8°	357.2	357.0	356.6	357.0	355.5
9°	341.6	341.6	342.4	342.2	341.4
10°	326.4	326.8	326.4	326.8	325.2
11°	309.4	309.4	309.8	309.6	309.8
12°	294.6	293.0	292.6	292.2	291.0
13°	275.6	274.4	273.9	274.4	273.7
14°	258.2	257.3	255.3	255.7	254.9
15°	238.5	239.3	237.9	237.9	236.5
17.5°	195.0	194.2	194.6	194.8	194.2
20°	155.3	154.9	154.5	154.1	154.7
22.5°	120.7	120.9	120.5	120.1	119.7
25°	92.3	92.1	92.1	92.1	92.5
27.5°	70.1	70.1	70.1	70.3	70.3
30°	53.0	52.6	53.0	53.3	53.3
32.5°	39.7	40.1	40.3	40.3	40.3
35°	30.8	30.6	30.8	31.0	31.0
37.5°	23.5	23.5	23.7	23.7	23.9
40°	18.2	18.2	18.2	18.4	18.6
42.5°	14.4	14.4	14.6	14.6	14.8
45°	11.5	11.5	11.7	11.7	11.7
47.5°	9.3	9.3	9.5	9.5	9.5
50°	7.7	7.7	7.7	7.7	7.7
52.5°	6.5	6.3	6.5	6.5	6.5
55°	5.3	5.5	5.5	5.5	5.5
57.5°	4.5	4.7	4.7	4.7	4.7
60°	3.8	3.8	3.8	4.0	4.0
62.5°	3.2	3.4	3.4	3.4	3.4
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.4	2.4	2.4	2.4	2.6
70°	2.0	2.0	2.2	2.2	2.2
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.0	1.0	1.2	1.2	1.0
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	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1320800

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHRL1MW_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)