

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: P1324751

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQPHRLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902750DE010 3LSQPHRLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

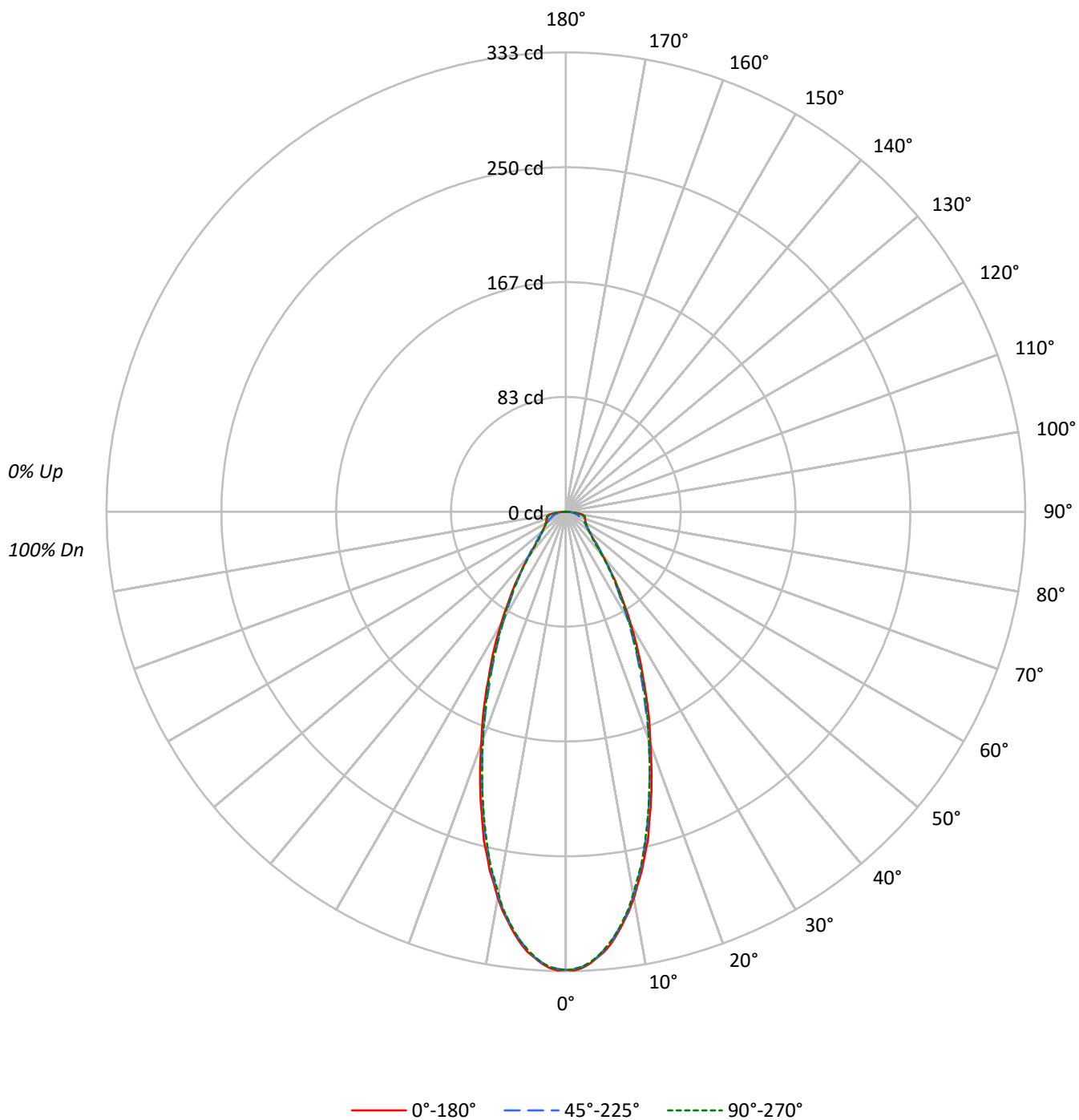
Lumens per Lamp: N/A
Luminaire Lumens: 262.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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
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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	70	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57212	57212	57212
5°	55356	55080	55080
10°	49683	49403	49194
15°	41633	40991	40919
20°	32880	32220	32220
25°	25160	24171	24627
30°	18673	17719	18117
35°	13498	12909	12993
40°	9285	9465	9015
45°	6941	7234	6649
50°	6028	5921	5921
55°	5675	5435	5555
60°	5821	5373	5683
65°	6357	5379	6194
70°	7452	5438	7251
75°	9582	5856	9316
80°	11901	6347	11108
85°	9485	6323	8695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 11901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	11.2
10°-20°	63.7	24.3
20°-30°	59.4	22.7
30°-40°	39.4	15.0
40°-50°	22.9	8.8
50°-60°	16.7	6.4
60°-70°	14.1	5.4
70°-80°	11.6	4.4
80°-90°	4.8	1.8
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°	152.4	58.2
0°-40°	191.7	73.2
0°-60°	231.4	88.3
0°-90°	262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	332	332	332	332	332	
5°	320	320	319	319	319	29
15°	234	231	230	230	230	65
25°	132	130	127	128	130	61
35°	64	63	61	62	62	40
45°	28	29	30	28	27	23
55°	19	18	18	18	18	17
65°	16	14	13	14	15	16
75°	14	11	9	11	14	15
85°	5	6	3	5	4	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	332.2	332.2	332.2	332.2	332.2
1°	332.6	332.2	331.4	331.8	331.8
2°	331.0	330.6	330.2	330.2	330.2
3°	328.2	327.8	327.4	327.4	327.4
4°	324.2	323.8	323.8	323.4	323.4
5°	320.2	319.8	318.6	318.6	318.6
6°	314.6	314.2	313.4	313.0	313.0
7°	307.8	307.8	306.6	306.2	306.6
8°	300.5	300.1	299.3	298.9	298.9
9°	292.9	291.7	291.7	290.5	291.3
10°	284.1	283.3	282.5	281.7	281.3
11°	274.1	273.7	272.5	271.7	271.3
12°	265.6	263.6	262.8	261.6	262.4
13°	254.8	253.6	251.6	251.2	251.6
14°	245.6	243.2	241.6	240.8	240.4
15°	233.5	231.1	229.9	229.5	229.5
17.5°	206.6	205.0	201.8	201.8	201.8
20°	179.4	177.8	175.8	175.4	175.8
22.5°	155.7	152.9	149.7	150.1	152.5
25°	132.4	130.0	127.2	127.6	129.6
27.5°	112.8	109.5	106.7	107.5	108.7
30°	93.9	91.9	89.1	89.9	91.1
32.5°	77.8	76.6	73.4	74.2	75.4
35°	64.2	63.0	61.4	61.8	61.8
37.5°	51.4	51.4	51.0	50.6	50.2
40°	41.3	42.1	42.1	40.9	40.1
42.5°	33.7	34.5	35.3	33.7	32.5
45°	28.5	28.9	29.7	28.1	27.3
47.5°	24.9	24.9	25.7	24.5	24.1
50°	22.5	22.5	22.1	21.7	22.1
52.5°	20.5	20.1	19.7	20.1	20.1
55°	18.9	18.5	18.1	18.5	18.5
57.5°	17.7	17.3	16.9	16.9	17.3
60°	16.9	16.1	15.6	16.1	16.5
62.5°	16.1	14.8	14.4	14.8	15.6
65°	15.6	14.0	13.2	14.0	15.2
67.5°	15.2	13.2	12.0	13.2	14.8
70°	14.8	12.4	10.8	12.4	14.4
72.5°	14.4	11.6	10.0	11.6	14.4
75°	14.4	10.8	8.8	10.8	14.0
77.5°	13.6	10.0	7.6	10.0	13.2
80°	12.0	9.2	6.4	8.8	11.2
82.5°	8.8	8.0	4.8	7.6	8.4
85°	4.8	5.6	3.2	5.2	4.4
87.5°	0.8	1.2	0.8	2.4	1.6



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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)