

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: P1324849

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQPHRLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324849
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: LDSQA3D05R30W2N902765DE010 3LSQPHRLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

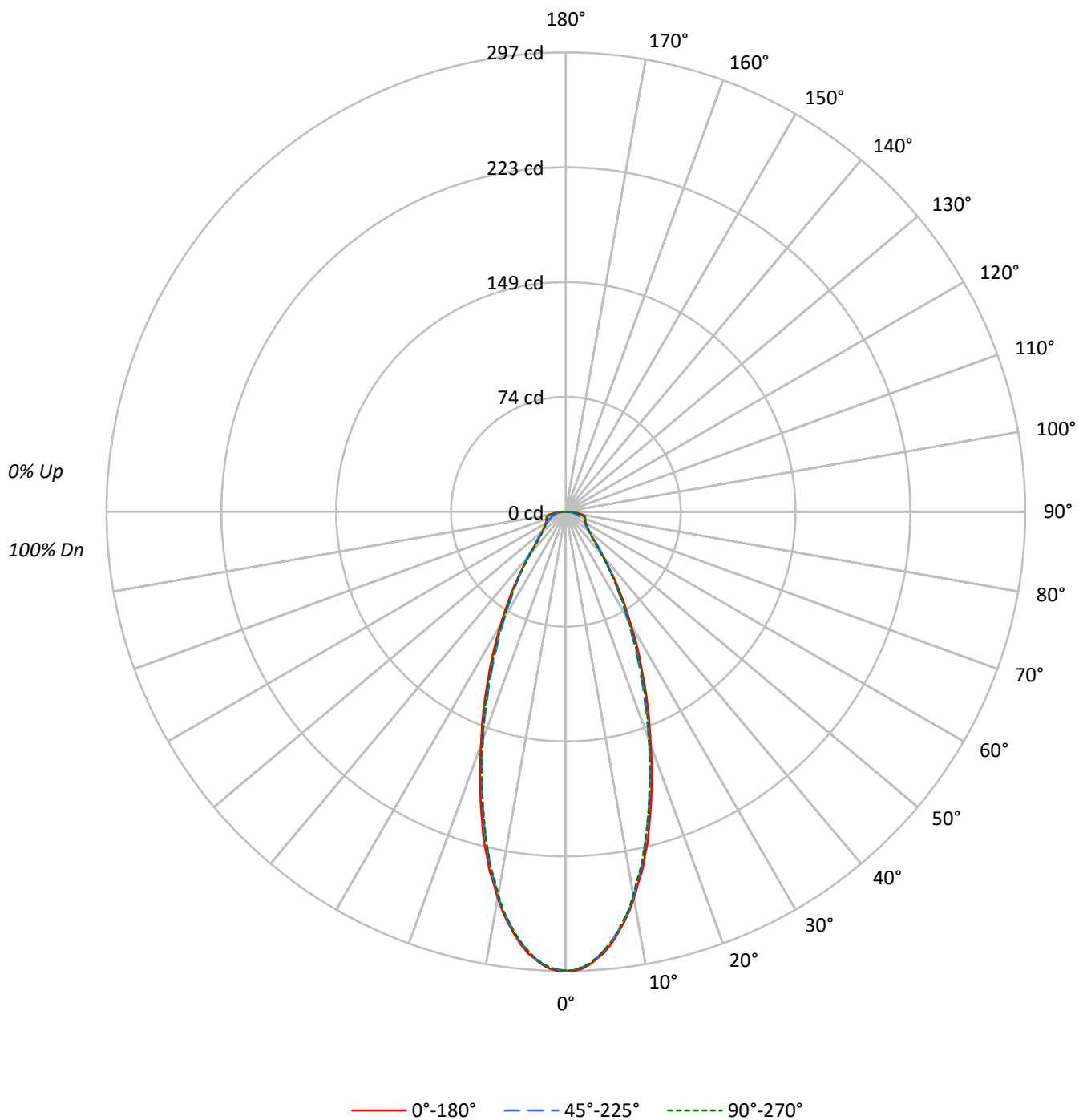
Lumens per Lamp: N/A
Luminaire Lumens: 234.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1324849

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHRLP1MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1324849

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHRLP1MW_2700K

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52		
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51098	51098	51098
5°	49444	49202	49202
10°	44367	44122	43930
15°	37193	36622	36551
20°	29361	28774	28774
25°	22480	21587	22005
30°	16685	15830	16188
35°	12047	11521	11606
40°	8296	8453	8049
45°	6186	6454	5943
50°	5385	5278	5278
55°	5044	4834	4954
60°	5201	4822	5063
65°	5705	4809	5542
70°	6697	4884	6496
75°	8584	5257	8318
80°	10711	5653	9918
85°	8497	5730	7707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 10711 cd/sqm

TEST NUMBER: P1324849

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHRLP1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	11.2
10°-20°	56.9	24.3
20°-30°	53.0	22.7
30°-40°	35.2	15.0
40°-50°	20.5	8.7
50°-60°	14.9	6.4
60°-70°	12.6	5.4
70°-80°	10.4	4.5
80°-90°	4.3	1.9
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°	136.1	58.1
0°-40°	171.3	73.2
0°-60°	206.6	88.3
0°-90°	234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	234.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	297	297	297	297	297	
5°	286	286	285	285	285	26
15°	209	206	205	205	205	58
25°	118	116	114	114	116	55
35°	57	56	55	55	55	36
45°	25	26	26	25	24	20
55°	17	16	16	16	16	15
65°	14	12	12	12	14	14
75°	13	10	8	10	12	13
85°	4	5	3	5	4	5
90°	0	0	0	0	0	

TEST NUMBER: P1324849

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHRLP1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	296.7	296.7	296.7	296.7	296.7
1°	297.1	296.7	296.0	296.4	296.4
2°	295.7	295.3	294.9	294.9	294.9
3°	293.2	292.8	292.4	292.4	292.4
4°	289.6	289.2	289.2	288.9	288.9
5°	286.0	285.6	284.6	284.6	284.6
6°	281.0	280.6	279.9	279.5	279.5
7°	274.9	274.9	273.8	273.4	273.8
8°	268.4	268.1	267.3	267.0	267.0
9°	261.6	260.5	260.5	259.5	260.2
10°	253.7	253.0	252.3	251.6	251.2
11°	244.8	244.4	243.3	242.6	242.3
12°	237.2	235.5	234.7	233.7	234.4
13°	227.6	226.5	224.7	224.3	224.7
14°	219.3	217.2	215.7	215.0	214.7
15°	208.6	206.4	205.4	205.0	205.0
17.5°	184.6	183.1	180.3	180.3	180.3
20°	160.2	158.8	157.0	156.6	157.0
22.5°	139.1	136.5	133.7	134.0	136.2
25°	118.3	116.1	113.6	114.0	115.8
27.5°	100.7	97.8	95.3	96.0	97.1
30°	83.9	82.1	79.6	80.3	81.4
32.5°	69.5	68.5	65.6	66.3	67.4
35°	57.3	56.3	54.8	55.2	55.2
37.5°	45.9	45.9	45.5	45.2	44.8
40°	36.9	37.6	37.6	36.6	35.8
42.5°	30.1	30.8	31.5	30.1	29.0
45°	25.4	25.8	26.5	25.1	24.4
47.5°	22.2	22.2	22.9	21.9	21.5
50°	20.1	20.1	19.7	19.4	19.7
52.5°	18.3	17.9	17.6	17.9	17.9
55°	16.8	16.5	16.1	16.5	16.5
57.5°	15.8	15.4	15.1	15.1	15.4
60°	15.1	14.3	14.0	14.3	14.7
62.5°	14.3	13.3	12.9	13.3	14.0
65°	14.0	12.5	11.8	12.5	13.6
67.5°	13.6	11.8	10.8	11.8	13.3
70°	13.3	11.1	9.7	11.1	12.9
72.5°	12.9	10.4	9.0	10.4	12.9
75°	12.9	9.7	7.9	9.7	12.5
77.5°	12.2	9.0	6.8	9.0	11.8
80°	10.8	8.2	5.7	7.9	10.0
82.5°	7.9	7.2	4.3	6.8	7.5
85°	4.3	5.0	2.9	4.7	3.9
87.5°	0.7	1.1	0.7	2.2	1.4



TEST NUMBER: P1324849

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHRLP1MW_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)