

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: P1325624

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R70W2N902750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

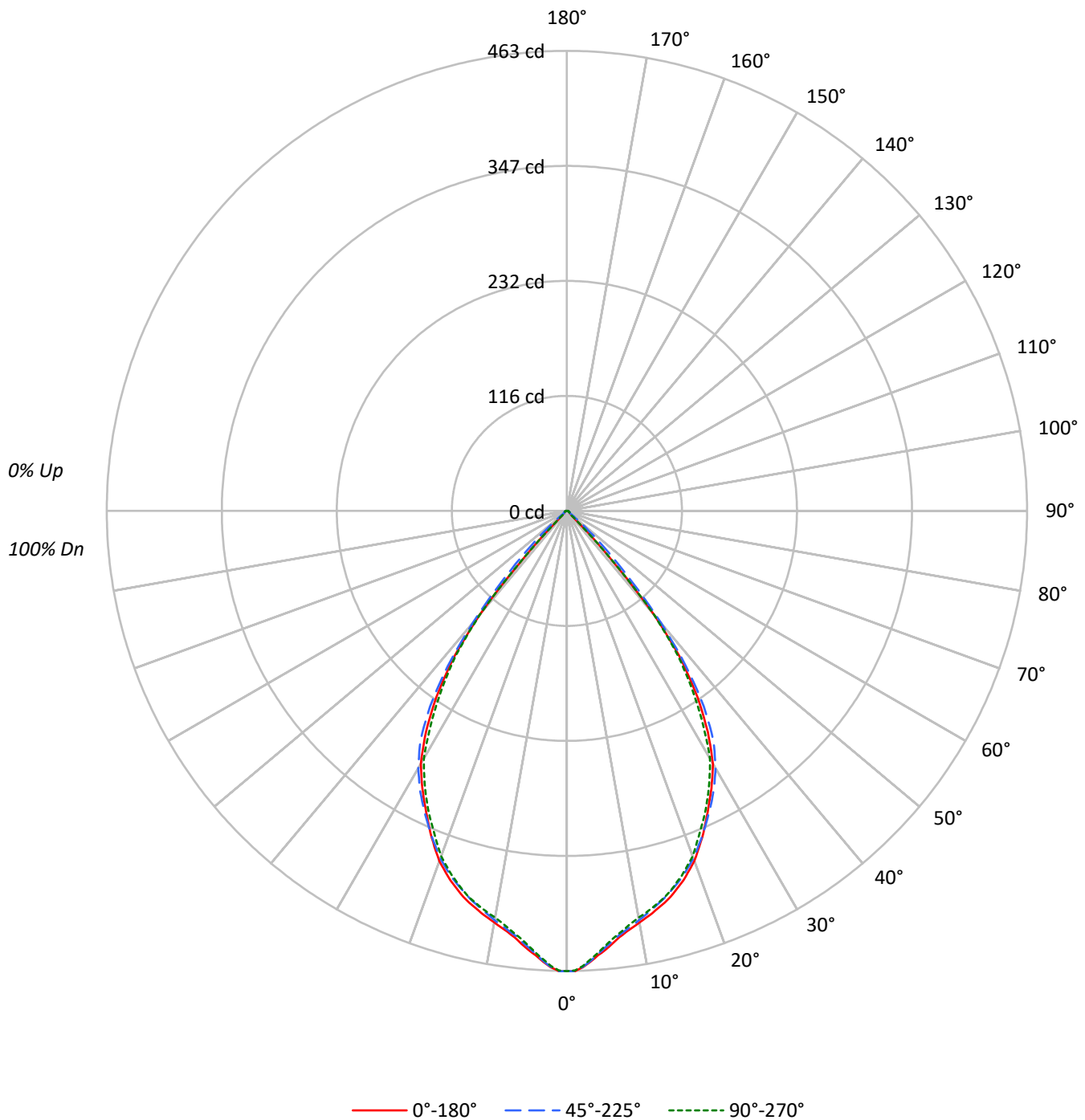
Lumens per Lamp: N/A
Luminaire Lumens: 494.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1325624

CATALOG NUMBER: LDSQA3D05R70W2N902750DE010 3LSQCDR1MW_4000K

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	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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86		
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79		
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	73		
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67		
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62		
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58		
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54		
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50		
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	79791	79791	79791
5°	76690	76275	75998
10°	73572	73152	72662
15°	71729	70945	70873
20°	68728	68215	67775
25°	63621	64077	62861
30°	58447	59481	57253
35°	48188	50480	46338
40°	30688	33026	30688
45°	2143	14273	2338
50°	965	2894	965
55°	1081	1081	1081
60°	1102	1102	1102
65°	978	1141	978
70°	1007	1209	1007
75°	1065	1065	1065
80°	1190	1190	1190
85°	790	1581	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 14273 cd/sqm

TEST NUMBER: P1325624

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	8.4
10°-20°	111.9	22.7
20°-30°	153.9	31.1
30°-40°	140.9	28.5
40°-50°	37.4	7.6
50°-60°	3.3	0.7
60°-70°	2.7	0.5
70°-80°	1.8	0.4
80°-90°	0.7	0.1
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°	307.1	62.2
0°-40°	448.0	90.7
0°-60°	488.8	98.9
0°-90°	494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	494.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	463	463	463	463	463	
5°	444	442	441	440	440	42
15°	402	399	398	398	398	113
25°	335	336	337	333	331	154
35°	229	233	240	229	220	139
45°	9	30	59	30	10	27
55°	4	4	4	4	4	3
65°	2	3	3	3	2	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	463.3	463.3	463.3	463.3	463.3
1°	463.3	462.5	463.3	463.3	462.5
2°	459.7	458.9	459.3	458.9	458.5
3°	454.5	453.3	453.7	452.9	452.1
4°	448.4	447.2	447.2	446.8	446.0
5°	443.6	441.6	441.2	440.4	439.6
6°	438.0	436.0	435.6	434.4	433.6
7°	432.4	430.8	430.4	428.8	428.8
8°	428.0	426.0	426.0	424.0	424.0
9°	424.4	422.0	422.0	420.3	419.5
10°	420.7	418.3	418.3	416.3	415.5
11°	417.1	415.1	414.3	413.1	412.7
12°	413.9	411.1	410.3	409.9	409.1
13°	409.9	407.1	406.3	405.9	405.5
14°	406.3	402.7	402.3	401.5	401.9
15°	402.3	398.7	397.9	397.9	397.5
17.5°	389.8	387.4	386.2	385.4	384.6
20°	375.0	373.0	372.2	370.6	369.8
22.5°	355.7	355.3	354.9	352.9	349.7
25°	334.8	336.0	337.2	333.2	330.8
27.5°	314.8	318.0	319.2	315.2	309.9
30°	293.9	296.7	299.1	293.5	287.9
32.5°	263.8	270.6	274.2	267.8	254.9
35°	229.2	232.9	240.1	229.2	220.4
37.5°	189.1	191.1	196.7	189.5	183.5
40°	136.5	142.5	146.9	142.5	136.5
42.5°	61.4	85.9	97.2	90.7	64.2
45°	8.8	30.1	58.6	30.5	9.6
47.5°	3.6	4.8	30.5	4.4	3.6
50°	3.6	3.6	10.8	3.6	3.6
52.5°	3.6	3.6	4.0	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.2	3.2	3.6	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	2.8	3.2	3.2	3.2	2.8
65°	2.4	2.8	2.8	2.8	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	2.0	2.4	2.4	2.4	2.0
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.2	1.6	1.6	1.6	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.8	0.8	0.8	0.4
87.5°	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P1325624

CATALOG NUMBER: LDSQA3D05R70W2N902750DE010 3LSQCDR1MW_4000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)