

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: P1325615

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCDR1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R70W2N902750DE010 3LSQCDR1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

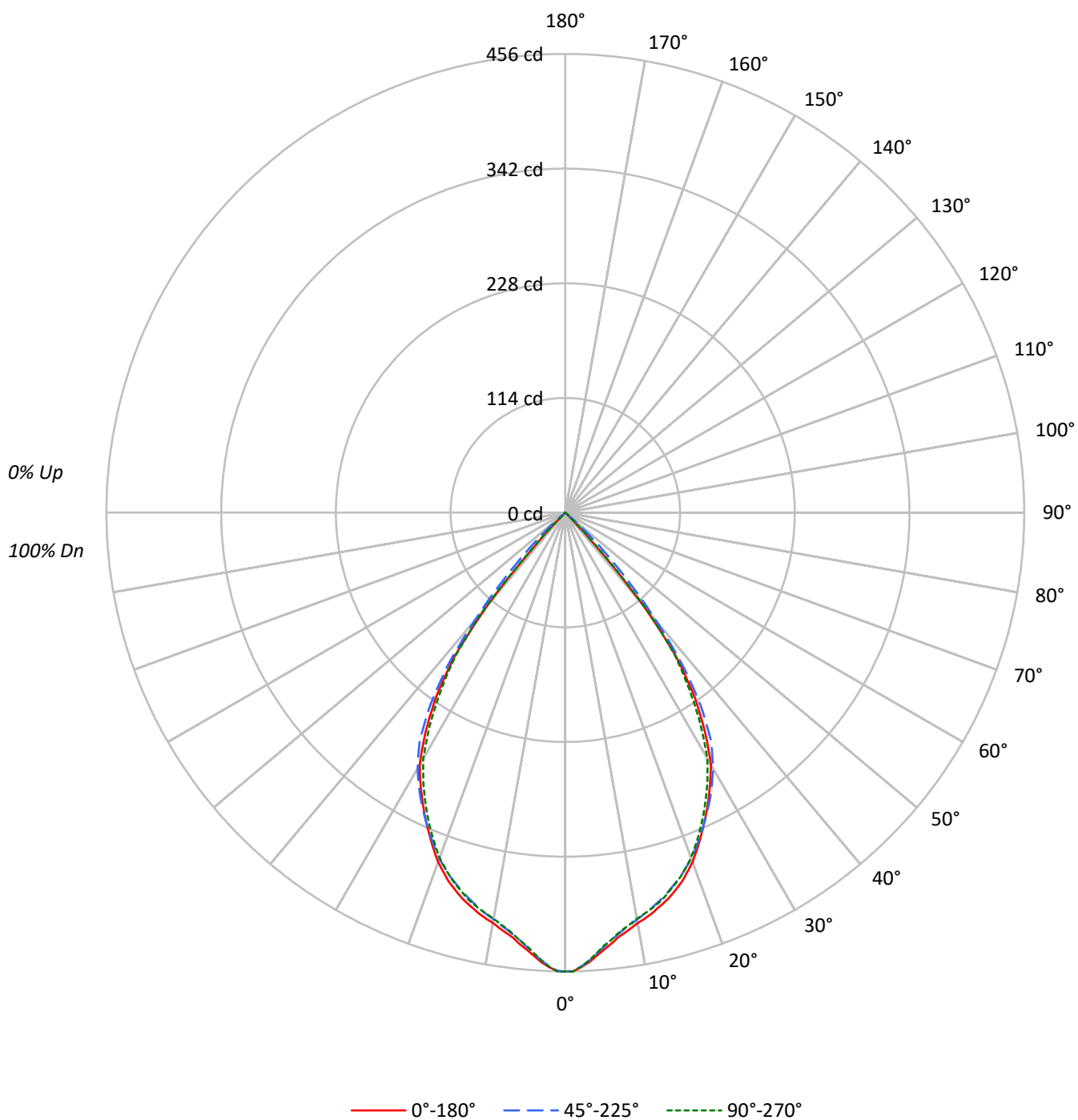
Lumens per Lamp: N/A
Luminaire Lumens: 472.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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			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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87	84	81	80
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72	68	65	63
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68	64	60	59
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64	60	56	55
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60	56	53	51
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	78568	78568	78568
5°	75428	75013	74805
10°	72453	71823	71683
15°	70749	69750	69893
20°	67739	67079	66932
25°	62880	63032	62044
30°	57552	58347	56120
35°	47074	49345	45224
40°	27091	31587	27810
45°	390	13128	1364
50°	0	1393	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 13128 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	8.6
10°-20°	110.3	23.4
20°-30°	151.5	32.1
30°-40°	137.4	29.1
40°-50°	31.9	6.8
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	302.5	64.1
0°-40°	439.9	93.2
0°-60°	472.0	100.0
0°-90°	472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	472.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	456	456	456	456	456	
5°	436	435	434	433	433	41
15°	397	394	391	391	392	111
25°	331	332	332	328	326	152
35°	224	227	235	225	215	135
45°	2	18	54	23	6	19
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	456.2	456.2	456.2	456.2	456.2
1°	455.8	455.0	455.4	455.8	456.2
2°	452.2	451.4	451.4	451.8	451.8
3°	447.8	446.3	446.3	445.9	445.9
4°	441.9	440.7	439.9	439.5	439.5
5°	436.3	435.1	433.9	433.1	432.7
6°	431.5	429.5	427.9	427.5	427.9
7°	425.9	424.7	423.1	421.9	422.3
8°	421.9	420.3	418.3	417.5	417.5
9°	418.3	416.7	414.7	413.1	413.9
10°	414.3	412.7	410.7	409.5	409.9
11°	411.5	409.5	407.1	406.3	406.7
12°	408.3	405.9	403.5	403.1	403.9
13°	404.3	401.9	399.5	399.5	400.3
14°	400.7	398.0	395.6	395.6	396.8
15°	396.8	394.0	391.2	391.2	392.0
17.5°	384.8	382.4	379.6	379.6	380.0
20°	369.6	368.4	366.0	364.8	365.2
22.5°	350.5	350.5	349.3	347.3	346.5
25°	330.9	332.5	331.7	328.5	326.5
27.5°	310.5	313.3	313.7	308.9	305.3
30°	289.4	291.8	293.4	287.8	282.2
32.5°	258.3	265.4	269.4	261.8	250.3
35°	223.9	227.1	234.7	224.7	215.1
37.5°	182.0	186.0	192.4	184.4	178.8
40°	120.5	136.5	140.5	136.5	123.7
42.5°	43.5	76.6	92.2	78.2	51.1
45°	1.6	18.0	53.9	23.2	5.6
47.5°	0.0	0.4	24.3	0.8	0.0
50°	0.0	0.0	5.2	0.0	0.0
52.5°	0.0	0.0	0.4	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)