

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: P1320193

Luminaire Tested: LDSQA3D13R709840DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709840DE010 3LSQCLDWWR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLDWWR1MMS T
Light Source: -
Ballast/Driver: -

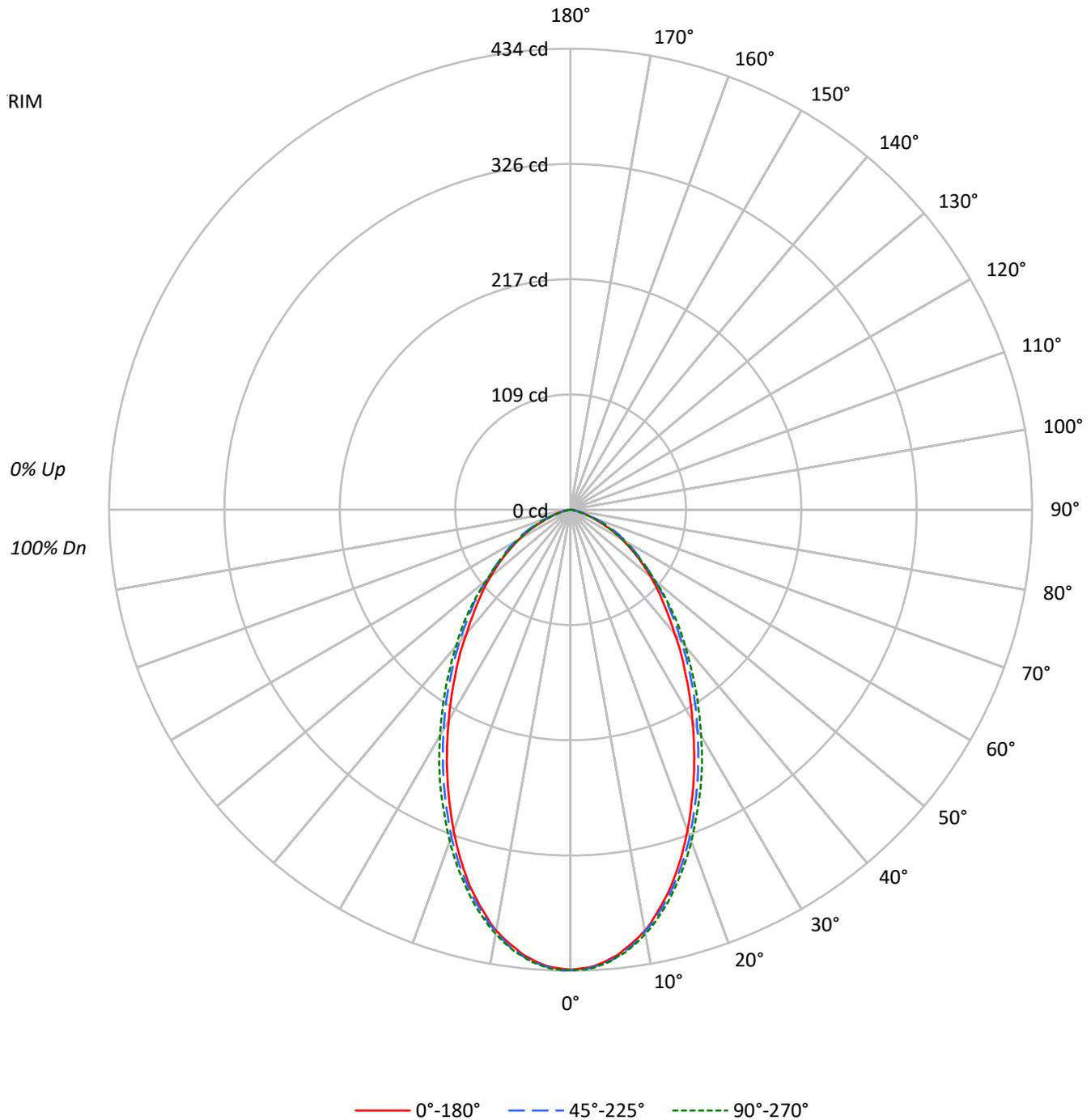
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 620.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
Input Voltage (V): NR
Input Current (A_{in}): 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	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74590	74590	74590
5°	73405	73682	73803
10°	70354	70494	70896
15°	65293	65828	66380
20°	58923	60059	60902
25°	52181	53645	54956
30°	45580	47429	48802
35°	39631	41734	43016
40°	34240	36488	37702
45°	29982	32028	32978
50°	26391	27624	27624
55°	22880	24021	23330
60°	19358	20667	19599
65°	15037	17238	15689
70°	10826	12790	10826
75°	8185	7652	6122
80°	5356	3769	1488
85°	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 32978 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	6.4
10°-20°	103.1	16.6
20°-30°	129.4	20.9
30°-40°	123.6	19.9
40°-50°	100.5	16.2
50°-60°	70.3	11.3
60°-70°	39.7	6.4
70°-80°	12.6	2.0
80°-90°	1.0	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°	272.4	43.9
0°-40°	395.9	63.9
0°-60°	566.7	91.4
0°-90°	620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	433	433	433	433	433	
5°	425	425	426	425	427	40
15°	366	367	369	370	372	102
25°	275	278	282	287	289	126
35°	188	192	198	202	205	118
45°	123	126	132	134	135	96
55°	76	77	80	78	78	68
65°	37	39	42	40	38	37
75°	12	12	12	10	9	13
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	433.1	433.1	433.1	433.1	433.1
1°	432.3	433.1	433.9	432.3	433.1
2°	431.5	432.3	432.3	431.5	433.1
3°	430.0	430.8	430.8	430.0	431.5
4°	427.7	428.5	428.5	427.7	429.2
5°	424.6	425.4	426.2	425.4	426.9
6°	421.5	422.3	423.1	422.3	423.1
7°	416.9	418.5	418.5	418.5	420.0
8°	412.3	413.9	414.6	413.9	415.4
9°	407.7	408.5	409.2	409.2	410.8
10°	402.3	403.1	403.1	403.9	405.4
11°	396.2	396.2	397.7	397.7	400.0
12°	388.5	389.2	390.8	391.5	393.1
13°	381.5	382.3	383.9	384.6	386.9
14°	373.9	375.4	376.9	377.7	380.0
15°	366.2	366.9	369.2	370.0	372.3
17.5°	344.6	345.4	349.2	350.8	353.1
20°	321.5	323.9	327.7	330.0	332.3
22.5°	297.7	300.0	304.6	308.5	310.0
25°	274.6	277.7	282.3	286.9	289.2
27.5°	251.5	254.6	260.0	264.6	267.7
30°	229.2	232.3	238.5	242.3	245.4
32.5°	208.5	211.5	218.5	222.3	224.6
35°	188.5	191.5	198.5	202.3	204.6
37.5°	170.8	173.8	180.0	183.8	185.4
40°	152.3	156.2	162.3	166.2	167.7
42.5°	136.9	140.0	146.2	149.2	151.5
45°	123.1	126.2	131.5	133.8	135.4
47.5°	110.8	112.3	116.9	117.7	119.2
50°	98.5	100.0	103.1	103.8	103.1
52.5°	86.9	88.5	90.8	90.0	90.0
55°	76.2	76.9	80.0	78.5	77.7
57.5°	65.4	66.9	70.0	67.7	66.9
60°	56.2	57.7	60.0	58.5	56.9
62.5°	46.9	47.7	51.5	48.5	46.9
65°	36.9	39.2	42.3	40.0	38.5
67.5°	27.7	31.5	34.6	31.5	30.0
70°	21.5	23.1	25.4	23.8	21.5
72.5°	16.2	16.9	17.7	16.2	14.6
75°	12.3	12.3	11.5	10.0	9.2
77.5°	8.5	8.5	6.9	4.6	4.6
80°	5.4	5.4	3.8	1.5	1.5
82.5°	2.3	2.3	1.5	0.8	0.8
85°	0.8	0.8	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)