

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: P1327685

Luminaire Tested: LDSQA3D13R20W2N902765DE010 3LSQPHRLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R20W2N902765DE010 3LSQPHRLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

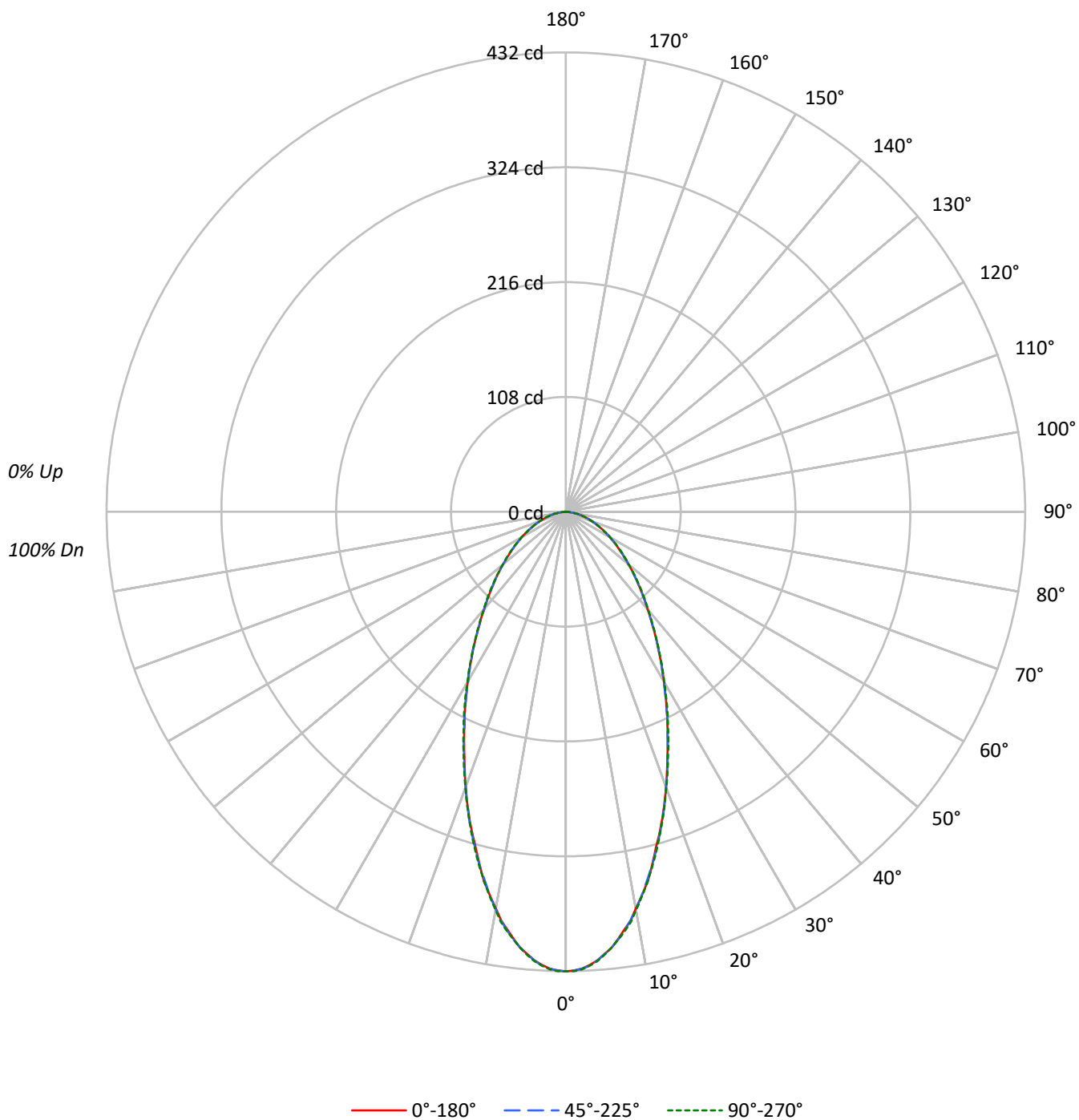
Lumens per Lamp: N/A
Luminaire Lumens: 517.0 lumens
Efficiency: N/A
Efficacy: 42.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1327685

CATALOG NUMBER: LDSQA3D13R20W2N902765DE010 3LSQPHRLD1MW_5000K

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	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74435	74435	74435
5°	72195	72195	72316
10°	66279	66419	66542
15°	58357	58624	58767
20°	50511	50511	50639
25°	42984	42984	43269
30°	36691	36532	36830
35°	31327	31327	31474
40°	26889	26889	27068
45°	23504	23504	23698
50°	20684	20684	20684
55°	18316	18316	18526
60°	16499	16499	16499
65°	14793	14793	14793
70°	13193	13193	13193
75°	11844	11312	11844
80°	9918	9918	9918
85°	6126	6126	7707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 23698 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	7.5
10°-20°	91.5	17.7
20°-30°	104.2	20.2
30°-40°	93.6	18.1
40°-50°	75.0	14.5
50°-60°	55.1	10.7
60°-70°	36.0	7.0
70°-80°	18.7	3.6
80°-90°	4.3	0.8
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°	234.4	45.3
0°-40°	327.9	63.4
0°-60°	458.0	88.6
0°-90°	517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	418	418	418	418	418	39
15°	327	327	329	329	330	91
25°	226	226	226	227	228	104
35°	149	149	149	149	150	94
45°	96	96	96	96	97	75
55°	61	61	61	61	62	55
65°	36	36	36	36	36	36
75°	18	17	17	18	18	19
85°	3	3	3	4	4	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	432.2	432.2	432.2	432.2	432.2
1°	431.5	430.7	431.5	431.5	432.2
2°	429.9	429.9	429.9	429.1	430.7
3°	426.8	426.8	427.6	426.8	427.6
4°	423.0	423.0	423.0	422.2	423.7
5°	417.6	417.6	417.6	417.6	418.3
6°	412.2	411.4	412.2	411.4	412.2
7°	404.4	404.4	405.2	404.4	405.2
8°	396.7	396.0	397.5	396.7	398.3
9°	389.0	388.2	389.0	388.2	390.6
10°	379.0	379.8	379.8	379.8	380.5
12.5°	355.8	354.3	354.3	354.3	355.8
15°	327.3	327.3	328.8	328.8	329.6
17.5°	301.8	301.0	302.6	302.6	302.6
20°	275.6	274.8	275.6	275.6	276.3
22.5°	249.3	250.1	250.1	250.1	250.9
25°	226.2	226.2	226.2	226.9	227.7
27.5°	204.5	203.8	204.5	205.3	206.1
30°	184.5	183.7	183.7	184.5	185.2
32.5°	165.9	165.2	165.9	165.9	166.7
35°	149.0	149.0	149.0	149.0	149.7
37.5°	133.5	133.5	133.5	134.3	134.3
40°	119.6	119.6	119.6	120.4	120.4
42.5°	107.3	107.3	107.3	108.1	108.8
45°	96.5	96.5	96.5	96.5	97.3
47.5°	86.4	86.4	86.4	87.2	87.2
50°	77.2	76.4	77.2	78.0	77.2
52.5°	68.7	68.7	68.7	68.7	69.5
55°	61.0	61.0	61.0	61.0	61.7
57.5°	54.0	54.0	54.0	54.8	54.8
60°	47.9	47.9	47.9	47.9	47.9
62.5°	41.7	41.7	41.7	41.7	41.7
65°	36.3	35.5	36.3	36.3	36.3
67.5°	30.9	30.9	30.9	30.9	30.9
70°	26.2	26.2	26.2	26.2	26.2
72.5°	21.6	21.6	21.6	21.6	21.6
75°	17.8	17.0	17.0	17.8	17.8
77.5°	13.9	13.1	13.9	13.9	13.9
80°	10.0	10.0	10.0	10.0	10.0
82.5°	6.2	6.2	6.2	6.9	6.9
85°	3.1	3.1	3.1	3.9	3.9
87.5°	0.8	0.8	0.8	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)