

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: P1319789

Luminaire Tested: LDSQA3D05R209840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319789
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: LDSQA3D05R209840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

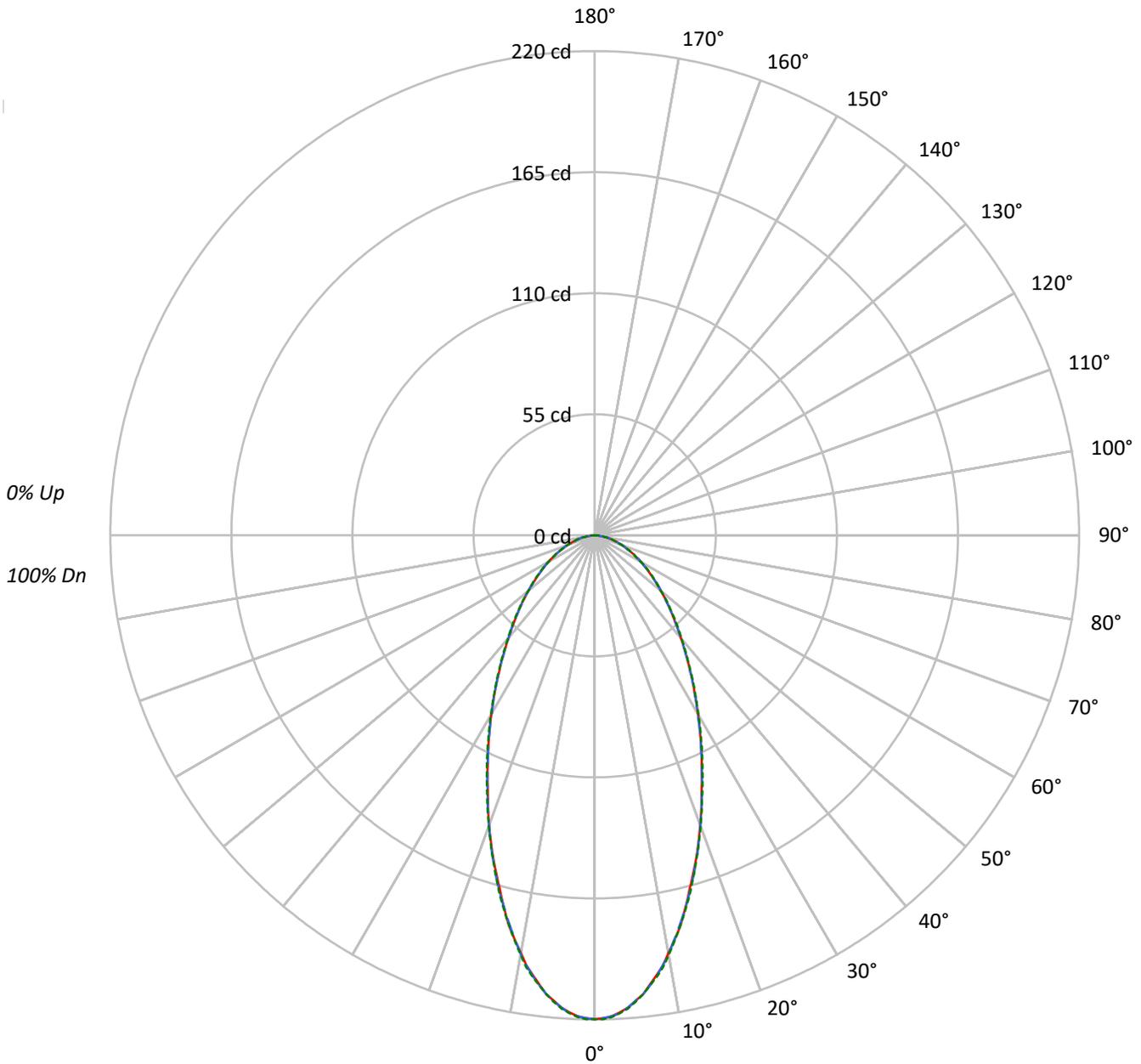
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 263.0 lumens
Efficiency: N/A
Efficacy: 36.5 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): 7.2
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



— 0°-180° - - 45°-225° ···· 90°-270°



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	77	
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	68	
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	61	
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	55	
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	50	
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	46	
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	42	
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	39	
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37872	37872	37872
5°	36720	36720	36789
10°	33717	33787	33857
15°	29687	29829	29901
20°	25695	25695	25769
25°	21853	21853	22005
30°	18654	18574	18733
35°	15937	15937	16021
40°	13692	13692	13782
45°	11959	11959	12056
50°	10530	10530	10530
55°	9308	9308	9428
60°	8370	8370	8370
65°	7539	7539	7539
70°	6697	6697	6697
75°	5989	5723	5989
80°	5058	5058	5058
85°	3162	3162	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12056 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	7.5
10°-20°	46.6	17.7
20°-30°	53.0	20.2
30°-40°	47.6	18.1
40°-50°	38.2	14.5
50°-60°	28.0	10.7
60°-70°	18.3	7.0
70°-80°	9.5	3.6
80°-90°	2.2	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°	119.2	45.3
0°-40°	166.8	63.4
0°-60°	233.0	88.6
0°-90°	263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	220	220	220	220	220	
5°	212	212	212	212	213	20
15°	166	166	167	167	168	47
25°	115	115	115	115	116	53
35°	76	76	76	76	76	48
45°	49	49	49	49	50	38
55°	31	31	31	31	31	28
65°	18	18	18	18	18	18
75°	9	9	9	9	9	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	219.9	219.9	219.9	219.9	219.9
1°	219.5	219.1	219.5	219.5	219.9
2°	218.7	218.7	218.7	218.3	219.1
3°	217.1	217.1	217.5	217.1	217.5
4°	215.2	215.2	215.2	214.8	215.6
5°	212.4	212.4	212.4	212.4	212.8
6°	209.7	209.3	209.7	209.3	209.7
7°	205.7	205.7	206.1	205.7	206.1
8°	201.8	201.4	202.2	201.8	202.6
9°	197.9	197.5	197.9	197.5	198.7
10°	192.8	193.2	193.2	193.2	193.6
12.5°	181.0	180.2	180.2	180.2	181.0
15°	166.5	166.5	167.3	167.3	167.7
17.5°	153.5	153.1	153.9	153.9	153.9
20°	140.2	139.8	140.2	140.2	140.6
22.5°	126.8	127.2	127.2	127.2	127.6
25°	115.0	115.0	115.0	115.4	115.8
27.5°	104.1	103.7	104.1	104.4	104.8
30°	93.8	93.4	93.4	93.8	94.2
32.5°	84.4	84.0	84.4	84.4	84.8
35°	75.8	75.8	75.8	75.8	76.2
37.5°	67.9	67.9	67.9	68.3	68.3
40°	60.9	60.9	60.9	61.3	61.3
42.5°	54.6	54.6	54.6	55.0	55.4
45°	49.1	49.1	49.1	49.1	49.5
47.5°	44.0	44.0	44.0	44.4	44.4
50°	39.3	38.9	39.3	39.7	39.3
52.5°	34.9	34.9	34.9	34.9	35.3
55°	31.0	31.0	31.0	31.0	31.4
57.5°	27.5	27.5	27.5	27.9	27.9
60°	24.3	24.3	24.3	24.3	24.3
62.5°	21.2	21.2	21.2	21.2	21.2
65°	18.5	18.1	18.5	18.5	18.5
67.5°	15.7	15.7	15.7	15.7	15.7
70°	13.3	13.3	13.3	13.3	13.3
72.5°	11.0	11.0	11.0	11.0	11.0
75°	9.0	8.6	8.6	9.0	9.0
77.5°	7.1	6.7	7.1	7.1	7.1
80°	5.1	5.1	5.1	5.1	5.1
82.5°	3.1	3.1	3.1	3.5	3.5
85°	1.6	1.6	1.6	2.0	2.0
87.5°	0.4	0.4	0.4	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)