

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: P1306855

Luminaire Tested: LDSQA3D05R359024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359024DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

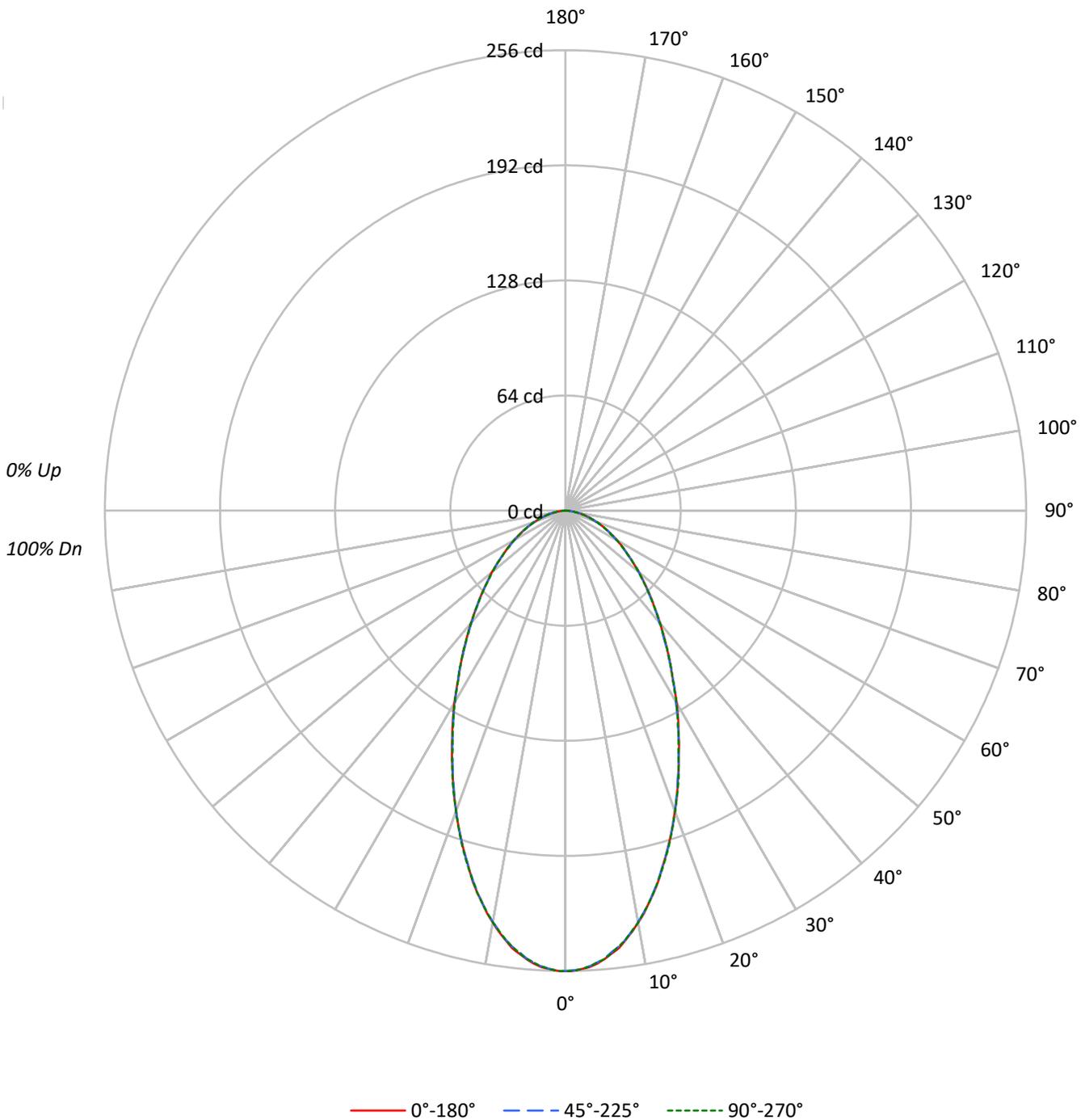
Lumens per Lamp: N/A
Luminaire Lumens: 342.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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	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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	77	
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	68	
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	54	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	49	
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	44	
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	41	
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44089	44089	44089
5°	43272	43186	43272
10°	40677	40607	40677
15°	36836	36836	36908
20°	32605	32605	32605
25°	28352	28257	28257
30°	24580	24401	24480
35°	21151	21067	21151
40°	18368	18255	18368
45°	16124	16026	16026
50°	14308	14200	14200
55°	12581	12581	12581
60°	11401	11263	11401
65°	10269	10269	10269
70°	9114	9114	9114
75°	8251	7918	8251
80°	7042	7042	7042
85°	4347	4347	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16124 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	6.8
10°-20°	57.6	16.8
20°-30°	68.5	20.0
30°-40°	62.9	18.4
40°-50°	51.1	14.9
50°-60°	37.8	11.1
60°-70°	25.0	7.3
70°-80°	13.0	3.8
80°-90°	2.9	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°	149.4	43.7
0°-40°	212.3	62.1
0°-60°	301.2	88.1
0°-90°	342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	342.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	256	256	256	256	256	
5°	250	250	250	250	250	23
15°	207	207	207	207	207	58
25°	149	149	149	149	149	69
35°	101	100	100	101	101	63
45°	66	66	66	66	66	51
55°	42	42	42	42	42	38
65°	25	25	25	25	25	25
75°	12	12	12	12	12	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	256.0	256.0	256.0	256.0	256.0
1°	256.0	255.6	255.6	255.6	256.0
2°	255.1	255.1	255.1	255.1	255.1
3°	254.2	253.8	253.8	253.8	253.8
4°	252.5	252.0	252.0	252.0	252.0
5°	250.3	249.8	249.8	249.8	250.3
6°	247.6	247.2	246.7	246.7	247.2
7°	245.0	244.1	244.1	244.1	244.1
8°	241.0	240.6	240.6	240.6	240.6
9°	237.0	236.1	236.6	236.6	236.6
10°	232.6	232.2	232.2	232.2	232.6
11°	228.2	227.8	227.8	227.3	227.8
12°	222.9	222.9	222.9	222.9	222.9
13°	218.0	217.6	217.6	217.6	218.0
14°	212.7	212.3	212.3	212.3	212.3
15°	206.6	206.6	206.6	206.6	207.0
17.5°	192.4	192.0	192.4	192.4	192.9
20°	177.9	177.4	177.9	177.9	177.9
22.5°	163.3	163.3	162.9	163.3	163.8
25°	149.2	148.7	148.7	149.2	148.7
27.5°	135.9	135.5	135.5	135.5	135.5
30°	123.6	122.7	122.7	123.1	123.1
32.5°	110.8	110.8	111.2	110.8	110.8
35°	100.6	100.2	100.2	100.6	100.6
37.5°	90.5	90.0	90.0	90.5	90.5
40°	81.7	81.7	81.2	81.7	81.7
42.5°	73.3	73.3	73.3	73.3	73.3
45°	66.2	65.8	65.8	65.8	65.8
47.5°	59.1	59.1	59.1	58.7	59.1
50°	53.4	53.0	53.0	53.0	53.0
52.5°	47.2	47.2	47.2	47.2	47.2
55°	41.9	41.9	41.9	41.9	41.9
57.5°	37.5	37.1	37.1	37.1	37.1
60°	33.1	33.1	32.7	33.1	33.1
62.5°	28.7	28.7	28.7	28.7	28.7
65°	25.2	25.2	25.2	25.2	25.2
67.5°	21.6	21.6	21.6	21.6	21.6
70°	18.1	18.1	18.1	18.1	18.1
72.5°	15.4	15.0	15.0	15.0	15.0
75°	12.4	12.4	11.9	12.4	12.4
77.5°	9.3	9.3	9.3	9.3	9.3
80°	7.1	7.1	7.1	6.6	7.1
82.5°	4.4	4.4	4.4	4.4	4.4
85°	2.2	2.2	2.2	2.2	2.2
87.5°	0.4	0.4	0.4	0.9	0.9



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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)