

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: P1315461

Luminaire Tested: LDSQA3D09R309735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309735DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

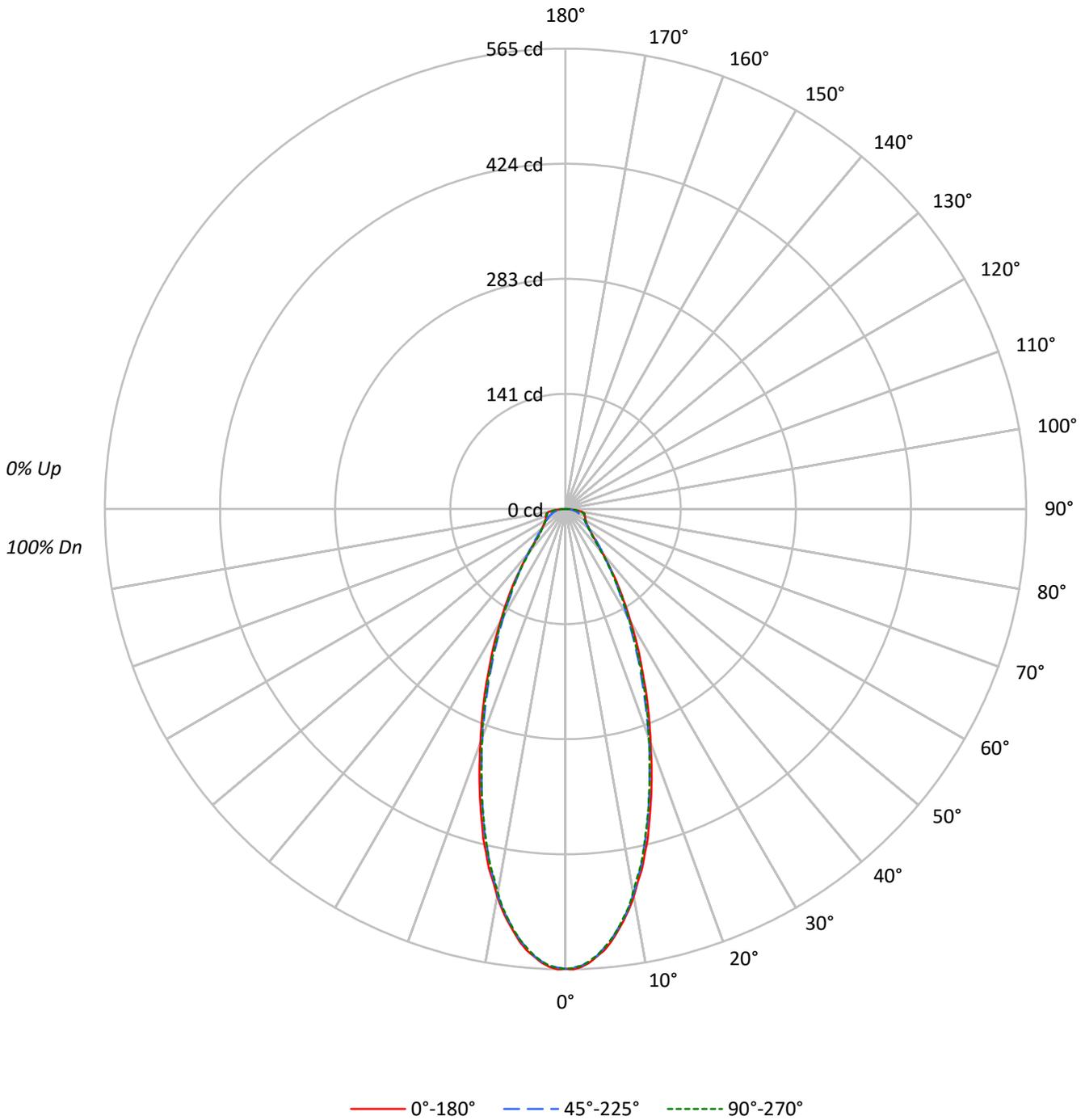
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 445.0 lumens
Efficiency: N/A
Efficacy: 40.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	97185	97185	97185
5°	94030	93546	93546
10°	84379	83907	83557
15°	70731	69625	69501
20°	55826	54708	54708
25°	42737	41046	41825
30°	31719	30088	30765
35°	22917	21929	22076
40°	15782	16097	15333
45°	11788	12275	11277
50°	10235	10047	10047
55°	9608	9218	9428
60°	9851	9162	9610
65°	10840	9169	10555
70°	12689	9265	12337
75°	16303	9981	15903
80°	20233	10811	18943
85°	16203	10868	14820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 20233 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	11.2
10°-20°	108.2	24.3
20°-30°	100.8	22.7
30°-40°	66.9	15.0
40°-50°	38.9	8.8
50°-60°	28.4	6.4
60°-70°	24.0	5.4
70°-80°	19.8	4.5
80°-90°	8.3	1.9
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°	258.8	58.1
0°-40°	325.7	73.2
0°-60°	393.0	88.3
0°-90°	445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	564	564	564	564	564	
5°	544	543	541	541	541	50
15°	397	393	390	390	390	110
25°	225	221	216	217	220	104
35°	109	107	104	105	105	69
45°	48	49	50	48	46	39
55°	32	31	31	31	31	29
65°	27	24	22	24	26	26
75°	24	18	15	18	24	25
85°	8	10	6	9	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	564.3	564.3	564.3	564.3	564.3
1°	565.0	564.3	562.9	563.6	563.6
2°	562.3	561.6	560.9	560.9	560.9
3°	557.5	556.8	556.1	556.1	556.1
4°	550.7	550.0	550.0	549.3	549.3
5°	543.9	543.2	541.1	541.1	541.1
6°	534.3	533.6	532.3	531.6	531.6
7°	522.7	522.7	520.7	520.0	520.7
8°	510.5	509.8	508.4	507.7	507.7
9°	497.5	495.5	495.5	493.4	494.8
10°	482.5	481.2	479.8	478.4	477.8
11°	465.5	464.8	462.8	461.4	460.7
12°	451.2	447.8	446.4	444.4	445.7
13°	432.8	430.7	427.3	426.6	427.3
14°	417.1	413.0	410.3	408.9	408.2
15°	396.7	392.6	390.5	389.8	389.8
17.5°	351.0	348.3	342.8	342.8	342.8
20°	304.6	301.9	298.5	297.8	298.5
22.5°	264.4	259.7	254.2	254.9	259.0
25°	224.9	220.8	216.0	216.7	220.1
27.5°	191.5	186.1	181.3	182.6	184.7
30°	159.5	156.1	151.3	152.7	154.7
32.5°	132.2	130.2	124.7	126.1	128.1
35°	109.0	107.0	104.3	105.0	105.0
37.5°	87.2	87.2	86.6	85.9	85.2
40°	70.2	71.6	71.6	69.5	68.2
42.5°	57.2	58.6	60.0	57.2	55.2
45°	48.4	49.1	50.4	47.7	46.3
47.5°	42.3	42.3	43.6	41.6	40.9
50°	38.2	38.2	37.5	36.8	37.5
52.5°	34.8	34.1	33.4	34.1	34.1
55°	32.0	31.4	30.7	31.4	31.4
57.5°	30.0	29.3	28.6	28.6	29.3
60°	28.6	27.3	26.6	27.3	27.9
62.5°	27.3	25.2	24.5	25.2	26.6
65°	26.6	23.9	22.5	23.9	25.9
67.5°	25.9	22.5	20.4	22.5	25.2
70°	25.2	21.1	18.4	21.1	24.5
72.5°	24.5	19.8	17.0	19.8	24.5
75°	24.5	18.4	15.0	18.4	23.9
77.5°	23.2	17.0	12.9	17.0	22.5
80°	20.4	15.7	10.9	15.0	19.1
82.5°	15.0	13.6	8.2	12.9	14.3
85°	8.2	9.5	5.5	8.9	7.5
87.5°	1.4	2.0	1.4	4.1	2.7



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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)