

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: P1316255

Luminaire Tested: LDSQA3D05R259740DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259740DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

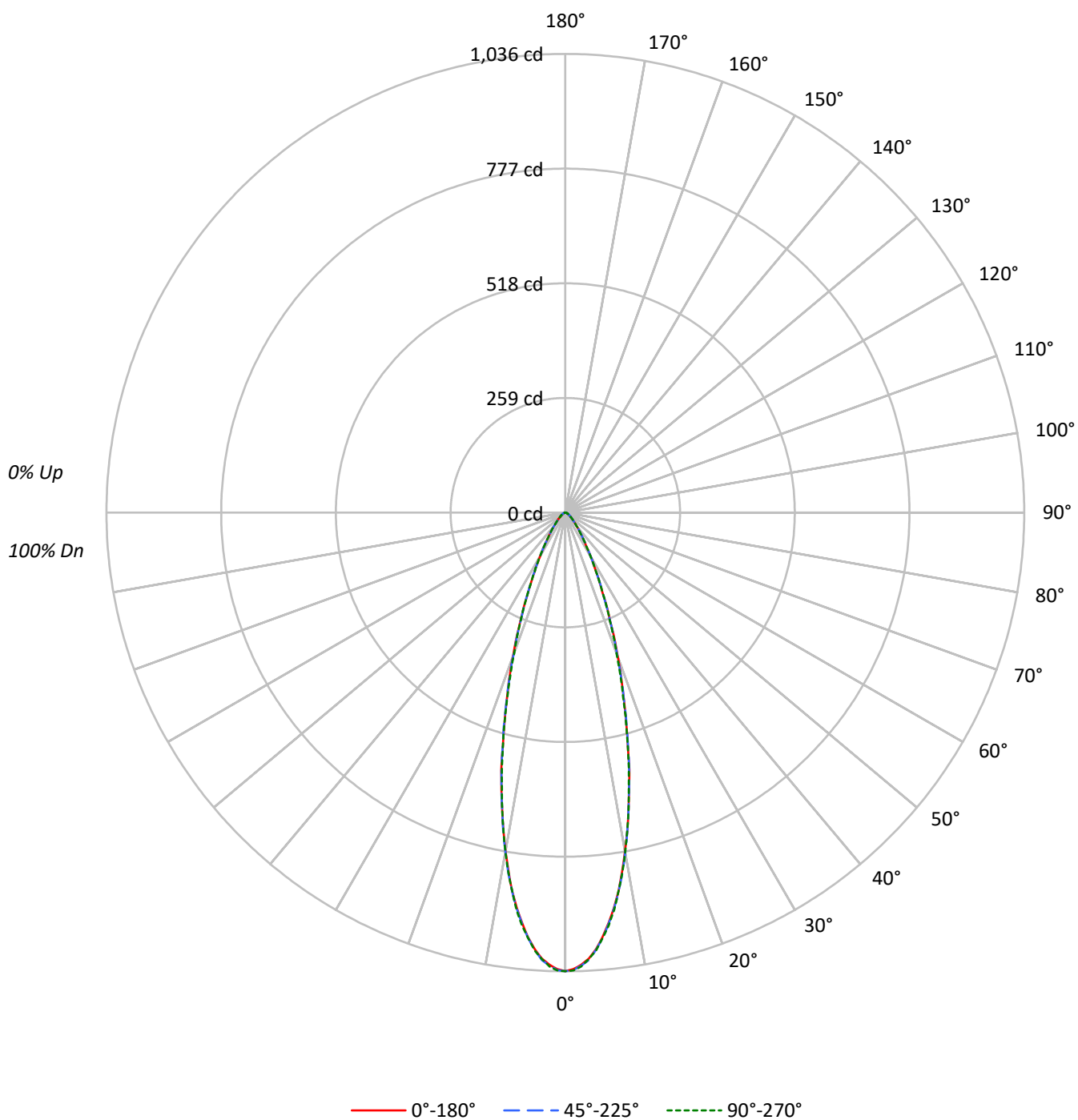
Lumens per Lamp: N/A
Luminaire Lumens: 415.0 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	178371	178371	178371
5°	166501	166657	166743
10°	135811	136231	136231
15°	96994	97511	96994
20°	63487	62863	61965
25°	37739	37929	37739
30°	22730	22730	22631
35°	13855	13960	13855
40°	8813	8925	8925
45°	6138	6138	6138
50°	4421	4555	4555
55°	3483	3483	3633
60°	2824	2997	2997
65°	2567	2567	2567
70°	2216	2216	2417
75°	1930	1930	2262
80°	1884	1884	1884
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6138 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	20.7
10°-20°	150.0	36.2
20°-30°	94.3	22.7
30°-40°	43.1	10.4
40°-50°	20.1	4.9
50°-60°	10.8	2.6
60°-70°	6.4	1.5
70°-80°	3.3	0.8
80°-90°	0.8	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°	330.4	79.6
0°-40°	373.6	90.0
0°-60°	404.5	97.5
0°-90°	415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1036	1036	1036	1036	1036	
5°	963	965	964	965	964	86
15°	544	547	547	548	544	150
25°	199	201	200	200	199	94
35°	66	66	66	66	66	43
45°	25	25	25	25	25	20
55°	12	12	12	12	12	11
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1035.7	1035.7	1035.7	1035.7	1035.7
1°	1031.4	1032.3	1033.3	1034.8	1034.3
2°	1021.7	1023.6	1024.1	1026.0	1025.6
3°	1008.6	1008.1	1012.0	1012.0	1009.6
4°	988.3	989.2	990.2	991.2	991.6
5°	963.1	965.0	964.0	965.0	964.5
6°	932.1	935.0	934.5	935.4	936.9
7°	899.1	901.1	901.1	900.1	904.0
8°	863.3	861.8	864.2	863.3	862.8
9°	820.6	823.5	824.0	821.6	822.6
10°	776.6	778.5	779.0	780.4	779.0
11°	733.0	733.0	733.9	736.3	732.5
12°	685.5	689.8	685.5	687.4	685.5
13°	640.4	641.4	640.4	639.9	636.6
14°	597.8	594.4	595.4	591.5	592.0
15°	544.0	547.4	546.9	547.9	544.0
17.5°	437.4	439.4	438.9	437.9	433.1
20°	346.4	346.4	343.0	341.0	338.1
22.5°	264.5	263.5	262.1	260.6	261.6
25°	198.6	201.0	199.6	199.6	198.6
27.5°	150.2	153.1	150.7	149.2	150.2
30°	114.3	115.3	114.3	113.8	113.8
32.5°	86.2	86.7	86.2	86.2	86.2
35°	65.9	65.9	66.4	66.4	65.9
37.5°	50.9	50.9	50.9	50.9	51.4
40°	39.2	39.7	39.7	39.7	39.7
42.5°	31.0	31.5	31.5	31.5	31.5
45°	25.2	25.2	25.2	25.2	25.2
47.5°	20.3	20.3	20.3	20.3	20.8
50°	16.5	17.0	17.0	17.0	17.0
52.5°	14.0	14.0	14.0	14.0	14.0
55°	11.6	11.6	11.6	12.1	12.1
57.5°	9.7	9.7	10.2	10.2	10.2
60°	8.2	8.7	8.7	8.7	8.7
62.5°	7.3	7.3	7.8	7.8	7.8
65°	6.3	6.3	6.3	6.3	6.3
67.5°	5.3	5.3	5.3	5.3	5.8
70°	4.4	4.4	4.4	4.8	4.8
72.5°	3.9	3.9	3.9	3.9	3.9
75°	2.9	2.9	2.9	3.4	3.4
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.0	1.0	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5
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)