

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: P1319838

Luminaire Tested: LDSQA3D05R359840DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359840DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

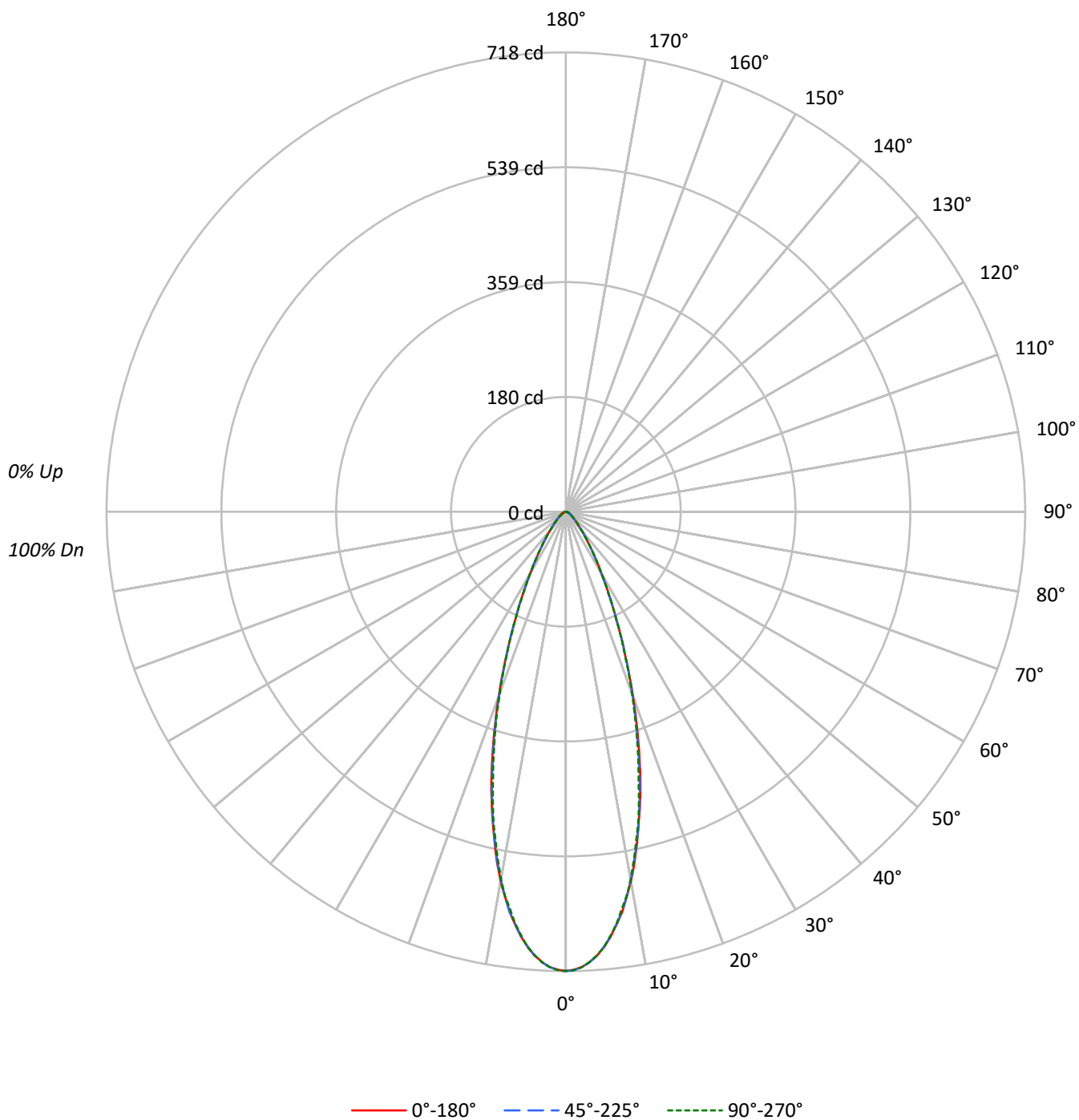
Lumens per Lamp: N/A
Luminaire Lumens: 354.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	123621	123621	123621
5°	118129	117922	118129
10°	102549	102200	102077
15°	80359	79735	78469
20°	56211	55716	55349
25°	35706	35934	35706
30°	21995	22154	21995
35°	13603	13687	13687
40°	8633	8723	8723
45°	5821	5918	6016
50°	4207	4314	4314
55°	3303	3303	3303
60°	2687	2687	2687
65°	2404	2404	2404
70°	2165	2165	2165
75°	1797	1797	1797
80°	1587	1587	1587
85°	790	790	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6016 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	17.5
10°-20°	122.1	34.5
20°-30°	88.1	24.9
30°-40°	42.5	12.0
40°-50°	19.6	5.5
50°-60°	10.1	2.9
60°-70°	5.9	1.7
70°-80°	3.0	0.8
80°-90°	0.7	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°	272.3	76.9
0°-40°	314.8	88.9
0°-60°	344.5	97.3
0°-90°	354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	683	685	682	682	683	62
15°	451	450	447	445	440	123
25°	188	188	189	189	188	88
35°	65	65	65	65	65	42
45°	24	24	24	25	25	19
55°	11	11	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	717.8	717.8	717.8	717.8	717.8
1°	715.8	717.0	716.6	717.0	716.6
2°	712.3	713.1	712.3	712.7	712.7
3°	704.9	705.6	705.6	705.3	704.9
4°	695.8	697.8	695.8	696.2	695.1
5°	683.3	684.9	682.1	682.5	683.3
6°	668.0	668.4	667.6	667.2	666.4
7°	650.3	651.9	649.2	649.6	648.8
8°	631.5	631.1	631.1	629.5	627.2
9°	608.8	610.3	608.0	607.2	607.6
10°	586.4	586.4	584.4	582.5	583.7
11°	560.9	560.1	558.9	556.2	555.4
12°	533.1	534.6	531.1	529.9	527.2
13°	504.4	506.8	505.2	500.9	501.3
14°	477.8	476.2	475.0	474.2	471.5
15°	450.7	449.9	447.2	445.2	440.1
17.5°	376.6	377.3	372.2	371.5	369.5
20°	306.7	304.4	304.0	304.4	302.0
22.5°	242.0	244.4	241.6	242.0	240.4
25°	187.9	188.3	189.1	189.1	187.9
27.5°	145.9	145.9	145.1	145.9	144.7
30°	110.6	110.6	111.4	112.2	110.6
32.5°	85.5	85.5	85.5	85.9	86.3
35°	64.7	64.7	65.1	65.1	65.1
37.5°	49.8	50.2	50.6	50.6	50.6
40°	38.4	38.8	38.8	39.2	38.8
42.5°	30.6	30.6	30.6	31.0	31.0
45°	23.9	24.3	24.3	24.7	24.7
47.5°	19.6	19.6	19.6	20.0	20.0
50°	15.7	16.1	16.1	16.1	16.1
52.5°	12.9	12.9	13.3	13.3	13.3
55°	11.0	11.0	11.0	11.0	11.0
57.5°	9.0	9.4	9.4	9.4	9.4
60°	7.8	7.8	7.8	7.8	7.8
62.5°	6.7	6.7	6.7	6.7	6.7
65°	5.9	5.9	5.9	5.9	5.9
67.5°	4.7	5.1	5.1	5.1	5.1
70°	4.3	4.3	4.3	4.3	4.3
72.5°	3.1	3.5	3.5	3.5	3.5
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.4	2.0	2.0	2.0	2.4
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.4	0.4



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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)