

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: P1319772

Luminaire Tested: LDSQA3D05R159840DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159840DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

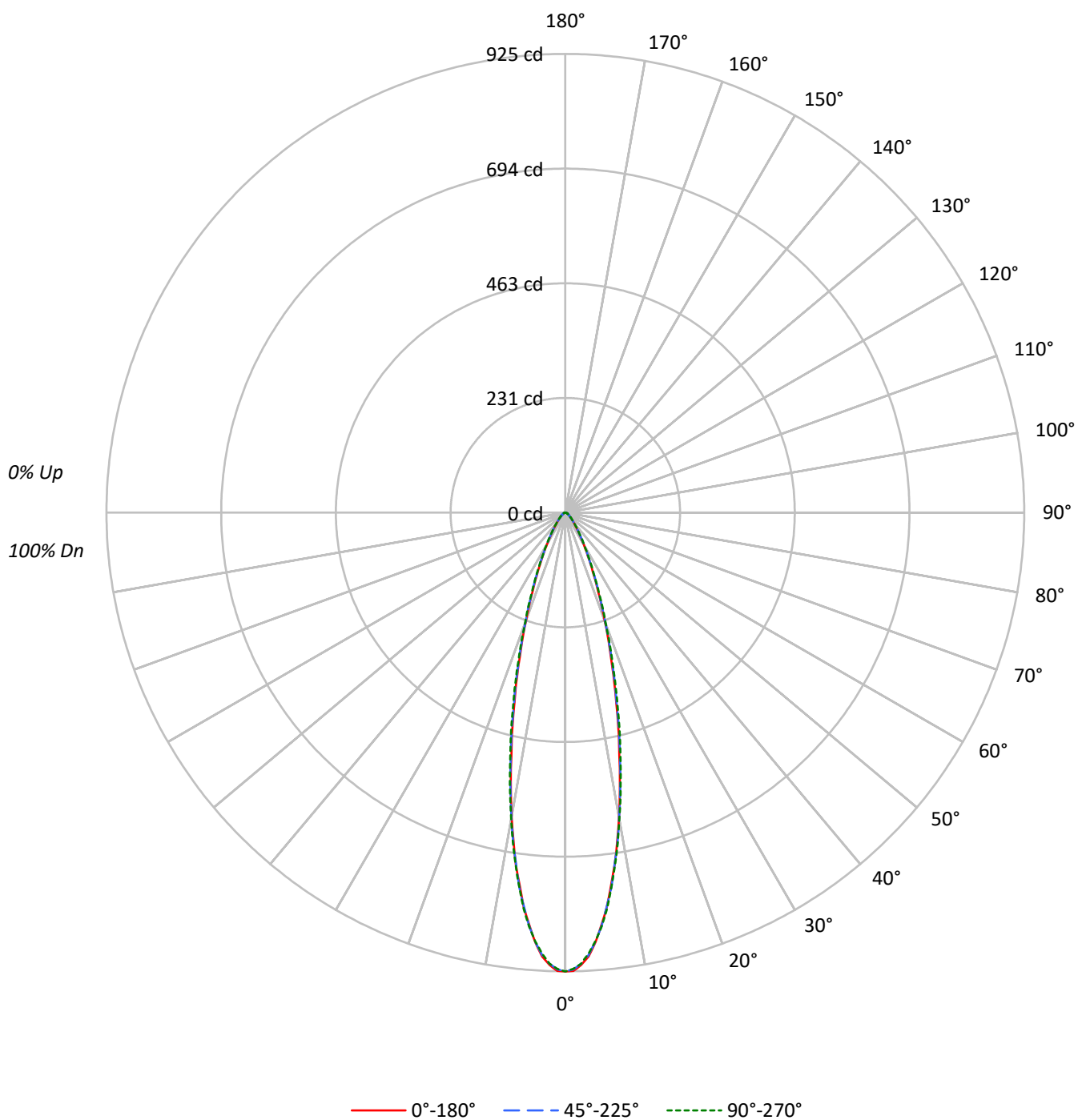
Lumens per Lamp: N/A
Luminaire Lumens: 306.0 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	159358	159358	159358
5°	144355	144615	144822
10°	108985	109247	109807
15°	70695	71462	72853
20°	42557	43070	43638
25°	24855	25388	25768
30°	14617	15074	15313
35°	8998	9335	9503
40°	5913	6093	6183
45°	4116	4214	4311
50°	3054	3162	3269
55°	2492	2582	2582
60°	2170	2170	2170
65°	1915	1915	1915
70°	1561	1762	1762
75°	1597	1597	1597
80°	1190	1587	1587
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4311 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	23.8
10°-20°	111.4	36.4
20°-30°	63.3	20.7
30°-40°	28.9	9.4
40°-50°	13.9	4.5
50°-60°	7.8	2.5
60°-70°	4.7	1.5
70°-80°	2.6	0.8
80°-90°	0.6	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°	247.7	80.9
0°-40°	276.6	90.4
0°-60°	298.2	97.4
0°-90°	306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	925	925	925	925	925	
5°	835	835	836	836	838	73
15°	396	398	401	406	409	110
25°	131	131	134	135	136	62
35°	43	44	44	45	45	28
45°	17	17	17	18	18	13
55°	8	8	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	925.3	925.3	925.3	925.3	925.3
1°	924.5	922.2	921.4	921.0	920.2
2°	912.8	910.8	910.4	910.4	910.0
3°	896.2	892.7	893.1	891.9	890.7
4°	868.4	866.8	867.6	868.4	866.8
5°	835.0	834.6	836.5	836.5	837.7
6°	800.4	800.0	798.8	801.9	803.5
7°	756.4	758.7	761.9	760.3	761.5
8°	716.3	713.5	714.7	718.6	719.0
9°	669.1	667.2	672.3	673.9	674.2
10°	623.2	625.1	624.7	630.2	627.9
12.5°	503.3	506.5	510.0	512.4	514.7
15°	396.5	398.4	400.8	406.3	408.6
17.5°	304.9	307.3	309.6	314.3	315.1
20°	232.2	233.4	235.0	239.3	238.1
22.5°	173.7	175.6	177.2	179.2	180.3
25°	130.8	130.8	133.6	134.8	135.6
27.5°	97.4	98.2	100.2	101.8	101.4
30°	73.5	74.7	75.8	76.6	77.0
32.5°	56.6	56.6	57.8	58.9	59.3
35°	42.8	43.6	44.4	45.2	45.2
37.5°	33.4	33.8	34.6	35.0	35.0
40°	26.3	26.3	27.1	27.5	27.5
42.5°	20.8	21.2	21.6	22.0	22.0
45°	16.9	16.9	17.3	17.7	17.7
47.5°	13.8	13.8	14.1	14.5	14.5
50°	11.4	11.8	11.8	12.2	12.2
52.5°	9.8	9.8	9.8	10.2	10.2
55°	8.3	8.3	8.6	8.6	8.6
57.5°	7.1	7.1	7.1	7.5	7.5
60°	6.3	6.3	6.3	6.3	6.3
62.5°	5.5	5.5	5.5	5.5	5.5
65°	4.7	4.7	4.7	4.7	4.7
67.5°	3.9	3.9	3.9	4.3	4.3
70°	3.1	3.5	3.5	3.5	3.5
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.2	1.6	1.6	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)