

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: P1316697

Luminaire Tested: LDSQA3D17R159740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316697
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: LDSQA3D17R159740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

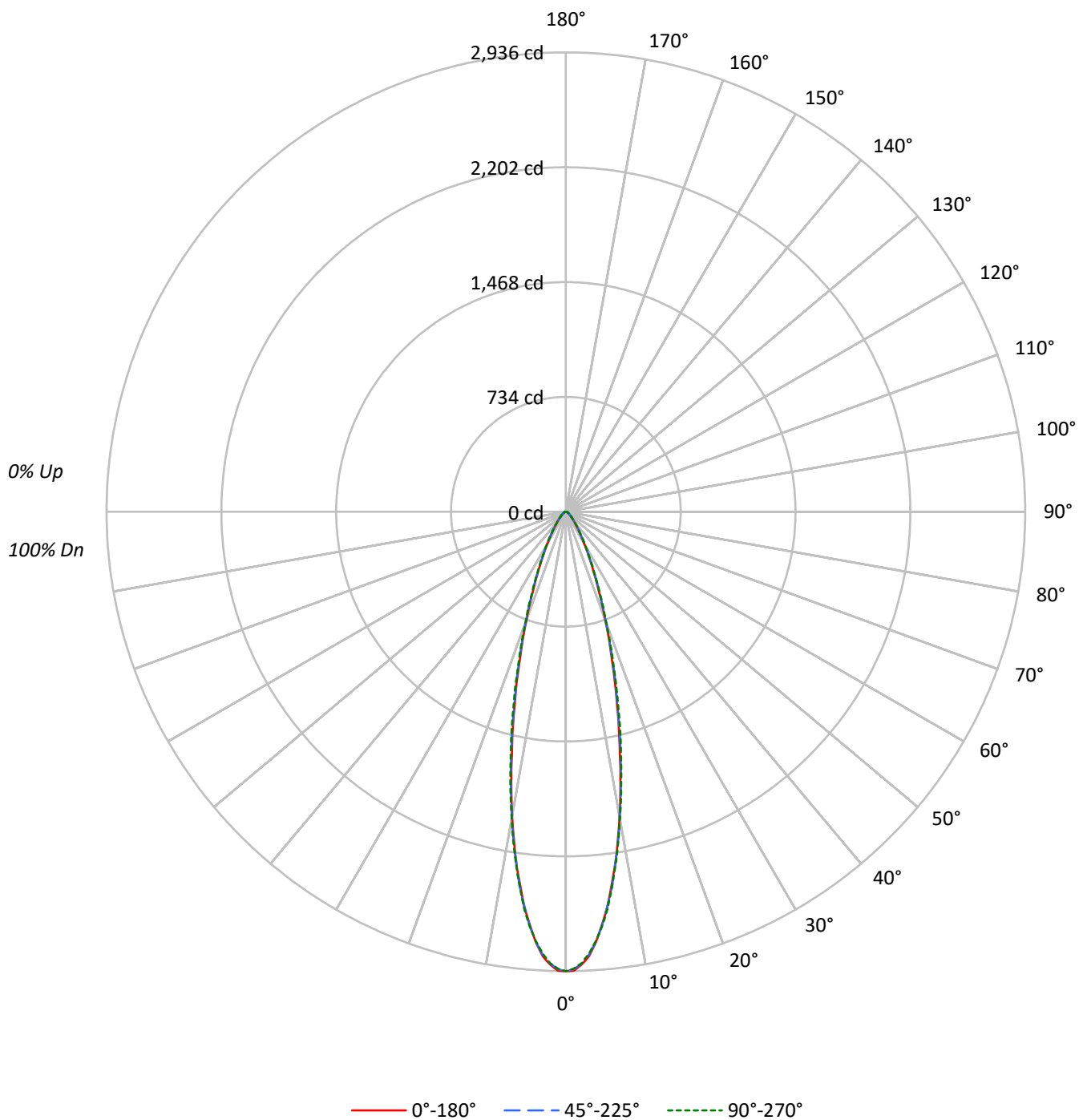
Lumens per Lamp: N/A
Luminaire Lumens: 971.0 lumens
Efficiency: N/A
Efficacy: 45.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1316697

CATALOG NUMBER: LDSQA3D17R159740DE010 3LSQPHRL1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	505680	505680	505680
5°	458047	458911	459551
10°	345807	346681	348430
15°	224299	226742	231199
20°	135056	136650	138483
25°	78899	80552	81730
30°	46375	47847	48603
35°	28572	29624	30149
40°	18773	19335	19627
45°	13055	13371	13664
50°	9699	10021	10369
55°	7867	8227	8227
60°	6854	6854	6854
65°	6113	6113	6113
70°	5035	5640	5640
75°	4991	4991	4991
80°	3670	4959	4959
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 13664 cd/sqm

TEST NUMBER: P1316697

CATALOG NUMBER: LDSQA3D17R159740DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.3	23.8
10°-20°	353.6	36.4
20°-30°	201.0	20.7
30°-40°	91.7	9.4
40°-50°	44.0	4.5
50°-60°	24.6	2.5
60°-70°	15.1	1.6
70°-80°	8.0	0.8
80°-90°	1.7	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°	785.9	80.9
0°-40°	877.6	90.4
0°-60°	946.2	97.4
0°-90°	971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2936	2936	2936	2936	2936	
5°	2650	2648	2654	2654	2658	231
15°	1258	1264	1272	1289	1297	349
25°	415	415	424	428	430	197
35°	136	138	141	143	143	89
45°	54	54	55	56	56	43
55°	26	26	27	27	27	24
65°	15	15	15	15	15	15
75°	8	8	8	8	8	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2936.2	2936.2	2936.2	2936.2	2936.2
1°	2933.7	2926.3	2923.8	2922.5	2920.0
2°	2896.3	2890.1	2888.9	2888.9	2887.6
3°	2844.0	2832.8	2834.0	2830.3	2826.5
4°	2755.5	2750.5	2753.0	2755.5	2750.5
5°	2649.5	2648.2	2654.5	2654.5	2658.2
6°	2539.8	2538.5	2534.8	2544.7	2549.7
7°	2400.1	2407.6	2417.6	2412.6	2416.3
8°	2272.9	2264.2	2267.9	2280.4	2281.7
9°	2123.3	2117.1	2133.3	2138.3	2139.5
10°	1977.4	1983.7	1982.4	1999.9	1992.4
12.5°	1597.2	1607.1	1618.4	1625.8	1633.3
15°	1258.0	1264.3	1271.7	1289.2	1296.7
17.5°	967.5	975.0	982.5	997.4	999.9
20°	736.9	740.6	745.6	759.3	755.6
22.5°	551.1	557.3	562.3	568.5	572.3
25°	415.2	415.2	423.9	427.7	430.1
27.5°	309.2	311.7	317.9	322.9	321.7
30°	233.2	236.9	240.6	243.1	244.4
32.5°	179.5	179.5	183.3	187.0	188.3
35°	135.9	138.4	140.9	143.4	143.4
37.5°	106.0	107.2	109.7	111.0	111.0
40°	83.5	83.5	86.0	87.3	87.3
42.5°	66.1	67.3	68.6	69.8	69.8
45°	53.6	53.6	54.9	56.1	56.1
47.5°	43.6	43.6	44.9	46.1	46.1
50°	36.2	37.4	37.4	38.7	38.7
52.5°	31.2	31.2	31.2	32.4	32.4
55°	26.2	26.2	27.4	27.4	27.4
57.5°	22.4	22.4	22.4	23.7	23.7
60°	19.9	19.9	19.9	19.9	19.9
62.5°	17.5	17.5	17.5	17.5	17.5
65°	15.0	15.0	15.0	15.0	15.0
67.5°	12.5	12.5	12.5	13.7	13.7
70°	10.0	11.2	11.2	11.2	11.2
72.5°	8.7	8.7	8.7	8.7	8.7
75°	7.5	7.5	7.5	7.5	7.5
77.5°	6.2	6.2	6.2	6.2	6.2
80°	3.7	5.0	5.0	5.0	5.0
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)