

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: P1320245

Luminaire Tested: LDSQA3D17R259840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R259840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

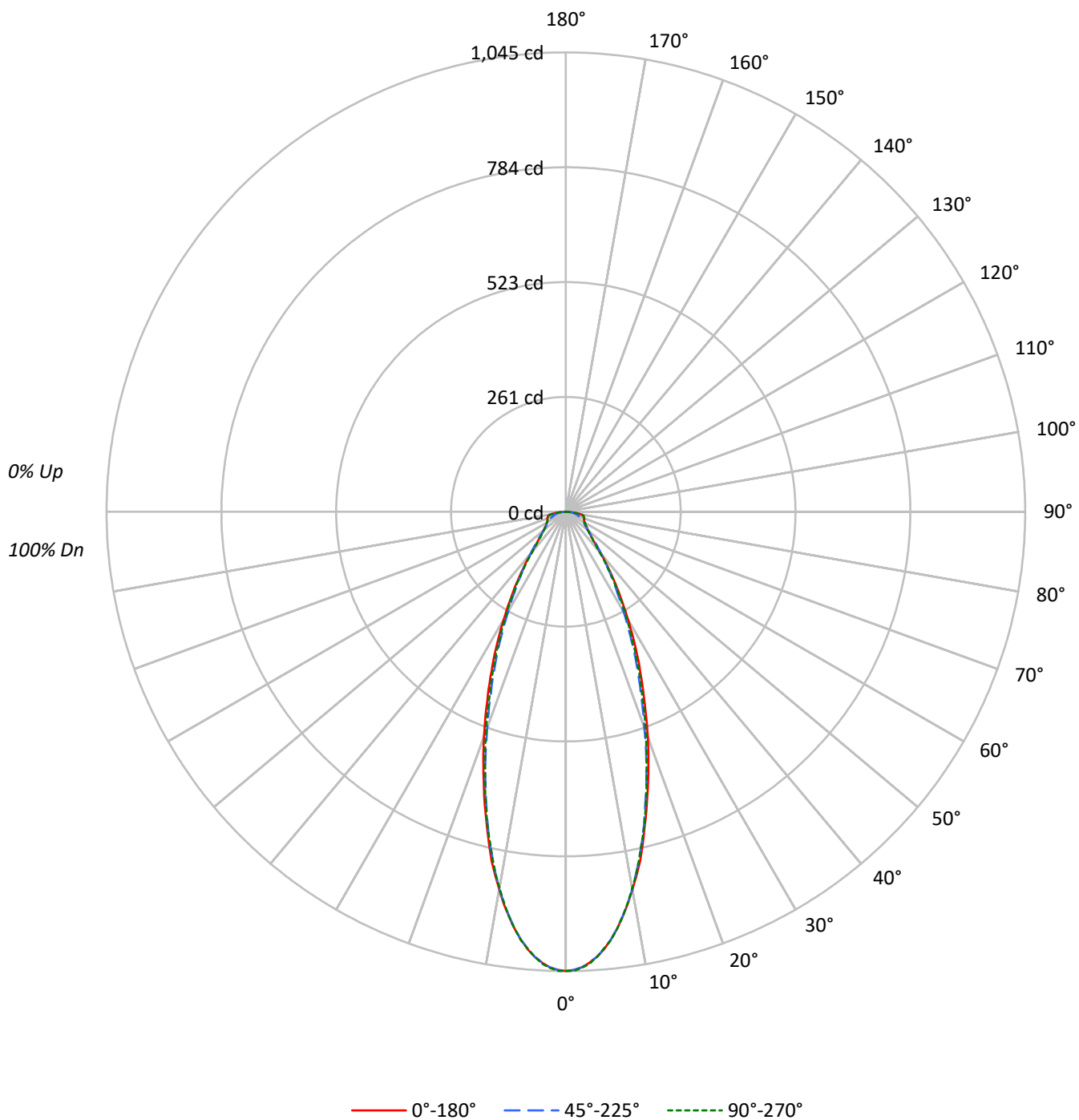
Lumens per Lamp: N/A
Luminaire Lumens: 789.0 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1320245

CATALOG NUMBER: LDSQA3D17R259840DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1320245

CATALOG NUMBER: LDSQA3D17R259840DE010 3LSQPHRLP1MW

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	179921	179921	179921
5°	172638	172414	172414
10°	152617	152390	151953
15°	126039	124256	124916
20°	99848	95725	97338
25°	76049	72020	73920
30°	56020	52063	54290
35°	40094	38265	38790
40°	27473	28035	26619
45°	20337	21555	20045
50°	17710	17710	17362
55°	16845	16094	16845
60°	17188	15879	17188
65°	18786	16260	18786
70°	22609	16315	21955
75°	28214	17434	28214
80°	35903	18546	33423
85°	29640	17191	29640

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 35903 cd/sqm

TEST NUMBER: P1320245

CATALOG NUMBER: LDSQA3D17R259840DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	11.6
10°-20°	193.7	24.6
20°-30°	177.5	22.5
30°-40°	117.1	14.8
40°-50°	68.1	8.6
50°-60°	49.8	6.3
60°-70°	42.3	5.4
70°-80°	35.0	4.4
80°-90°	14.4	1.8
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°	462.4	58.6
0°-40°	579.4	73.4
0°-60°	697.4	88.4
0°-90°	789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	789.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1045	1045	1045	1045	1045	
5°	999	997	997	999	997	91
15°	707	704	697	699	701	196
25°	400	389	379	380	389	184
35°	191	187	182	182	184	121
45°	84	86	88	84	82	67
55°	56	56	54	55	56	51
65°	46	42	40	42	46	46
75°	42	32	26	32	42	44
85°	15	16	9	16	15	17
90°	0	0	0	0	0	

TEST NUMBER: P1320245

CATALOG NUMBER: LDSQA3D17R259840DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1044.7	1044.7	1044.7	1044.7	1044.7
1°	1042.2	1042.2	1042.2	1042.2	1044.7
2°	1037.2	1036.0	1037.2	1037.2	1038.5
3°	1027.2	1027.2	1027.2	1027.2	1029.7
4°	1014.8	1014.8	1014.8	1014.8	1014.8
5°	998.6	997.3	997.3	998.6	997.3
6°	978.6	978.6	978.6	978.6	979.9
7°	956.2	954.9	954.9	953.7	956.2
8°	930.0	930.0	928.8	927.5	930.0
9°	902.6	903.8	901.3	900.1	900.1
10°	872.7	871.4	871.4	871.4	868.9
11°	842.7	839.0	837.8	837.8	840.2
12°	812.8	806.6	804.1	804.1	804.1
13°	776.7	774.2	770.4	767.9	769.2
14°	740.5	740.5	734.3	734.3	736.8
15°	706.9	704.4	696.9	699.4	700.6
17.5°	623.3	618.3	609.6	609.6	610.9
20°	544.8	536.1	522.3	528.6	531.1
22.5°	467.5	458.8	445.1	451.3	453.8
25°	400.2	389.0	379.0	380.2	389.0
27.5°	339.1	326.6	316.6	320.4	325.4
30°	281.7	274.3	261.8	268.0	273.0
32.5°	233.1	226.9	218.2	221.9	226.9
35°	190.7	187.0	182.0	182.0	184.5
37.5°	154.6	153.3	150.8	149.6	148.4
40°	122.2	124.7	124.7	122.2	118.4
42.5°	99.7	102.2	104.7	99.7	96.0
45°	83.5	86.0	88.5	83.5	82.3
47.5°	73.6	74.8	76.0	73.6	72.3
50°	66.1	66.1	66.1	64.8	64.8
52.5°	61.1	59.8	58.6	59.8	59.8
55°	56.1	56.1	53.6	54.9	56.1
57.5°	52.4	51.1	49.9	51.1	52.4
60°	49.9	47.4	46.1	47.4	49.9
62.5°	47.4	44.9	42.4	44.9	47.4
65°	46.1	42.4	39.9	42.4	46.1
67.5°	44.9	39.9	36.2	39.9	44.9
70°	44.9	37.4	32.4	37.4	43.6
72.5°	43.6	34.9	29.9	34.9	43.6
75°	42.4	32.4	26.2	32.4	42.4
77.5°	41.1	29.9	22.4	29.9	39.9
80°	36.2	27.4	18.7	27.4	33.7
82.5°	26.2	22.4	15.0	22.4	24.9
85°	15.0	16.2	8.7	16.2	15.0
87.5°	2.5	3.7	2.5	6.2	5.0



TEST NUMBER: P1320245

CATALOG NUMBER: LDSQA3D17R259840DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)