

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: P1316846

Luminaire Tested: LDSQA3D20R159740D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159740D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

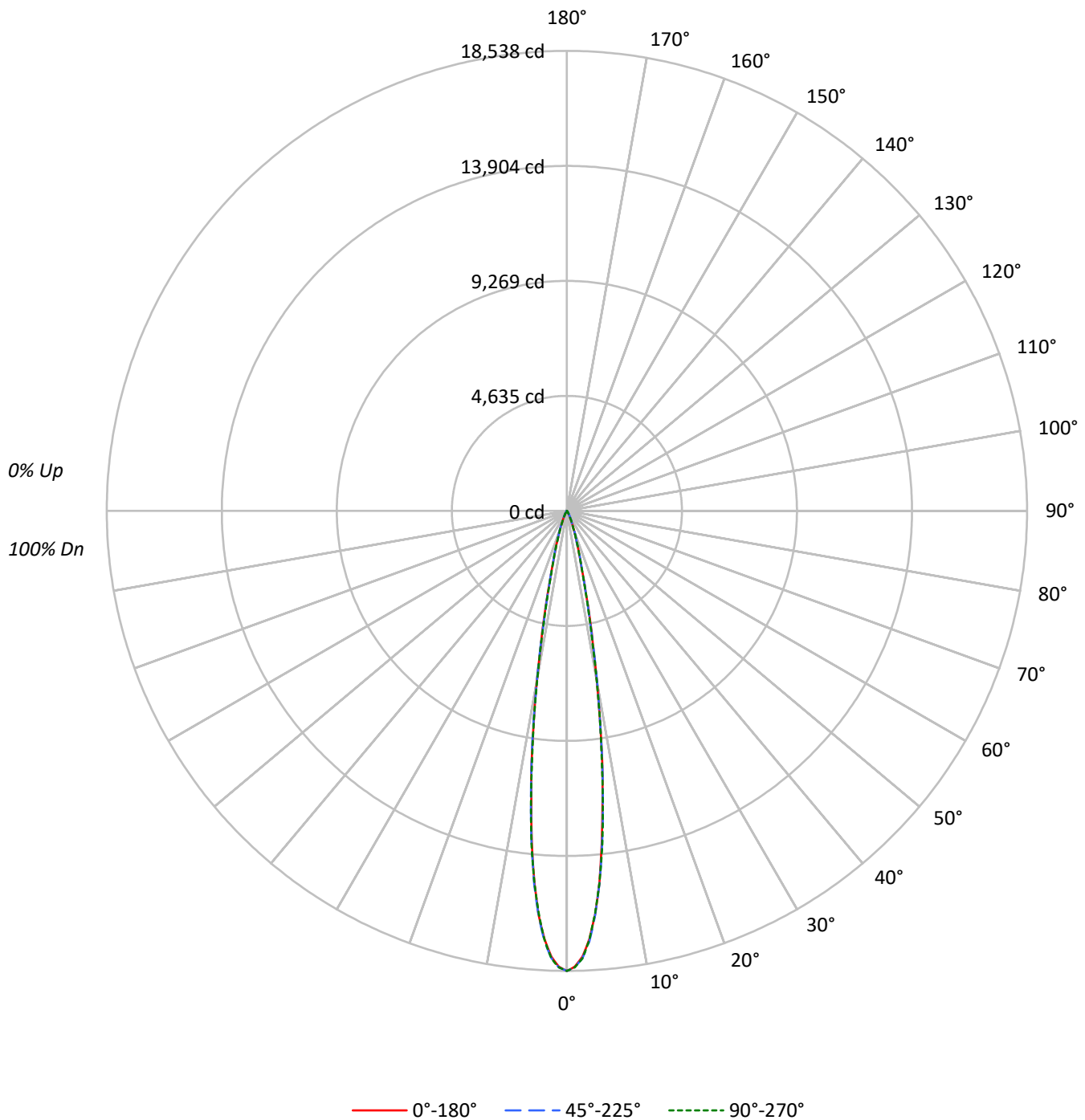
Lumens per Lamp: N/A
Luminaire Lumens: 2069.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1316846

CATALOG NUMBER: LDSQA3D20R159740D010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316846

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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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	92	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3192698	3192698	3192698
5°	2599449	2607937	2602837
10°	1212579	1223457	1207997
15°	380773	383983	381647
20°	150872	156866	146071
25°	60961	73692	58775
30°	24401	33529	23108
35°	7232	14801	6875
40°	2203	5508	1844
45°	390	1193	390
50°	0	429	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1193 cd/sqm

TEST NUMBER: P1316846

CATALOG NUMBER: LDSQA3D20R159740D010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1160.7	56.1
10°-20°	694.2	33.6
20°-30°	175.1	8.5
30°-40°	35.7	1.7
40°-50°	3.3	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2029.9	98.1
0°-40°	2065.6	99.8
0°-60°	2069.0	100.0
0°-90°	2069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18538	18538	18538	18538	18538	
5°	15036	15008	15085	15048	15056	1157
15°	2136	2154	2154	2122	2140	694
25°	321	350	388	344	309	165
35°	34	46	70	44	33	28
45°	2	3	5	3	2	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1316846

CATALOG NUMBER: LDSQA3D20R159740D010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18538.2	18538.2	18538.2	18538.2	18538.2
1°	18371.2	18433.4	18400.7	18426.9	18397.4
2°	17973.6	18057.0	18030.9	18022.7	18045.6
3°	17273.2	17369.7	17366.4	17341.9	17302.6
4°	16317.4	16278.2	16338.7	16332.2	16265.1
5°	15036.1	15008.3	15085.2	15047.5	15055.7
6°	13468.3	13589.4	13563.2	13566.5	13597.6
7°	11784.4	11849.8	11905.5	11951.3	11887.5
8°	10237.9	10221.5	10226.4	10278.8	10102.1
9°	8506.5	8607.9	8542.5	8437.7	8504.8
10°	6933.8	6996.0	6996.0	6904.4	6907.6
11°	5528.1	5578.8	5542.8	5565.7	5421.7
12°	4456.2	4330.2	4300.7	4323.6	4322.0
13°	3402.3	3410.4	3402.3	3400.6	3384.3
14°	2667.5	2710.0	2692.0	2647.8	2628.2
15°	2135.6	2153.6	2153.6	2122.5	2140.5
17.5°	1283.0	1304.3	1309.2	1287.9	1287.9
20°	823.2	833.0	855.9	824.8	797.0
22.5°	507.3	528.6	567.9	522.0	499.1
25°	320.8	350.2	387.8	343.7	309.3
27.5°	201.3	225.8	258.6	216.0	194.7
30°	122.7	139.1	168.6	135.8	116.2
32.5°	68.7	81.8	106.4	78.6	65.5
35°	34.4	45.8	70.4	44.2	32.7
37.5°	19.6	24.5	44.2	21.3	18.0
40°	9.8	13.1	24.5	13.1	8.2
42.5°	3.3	6.5	9.8	6.5	3.3
45°	1.6	3.3	4.9	3.3	1.6
47.5°	0.0	0.0	1.6	0.0	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1316846

CATALOG NUMBER: LDSQA3D20R159740D010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)