

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: P1316551

Luminaire Tested: LDSQA3D13R159740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316551
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: LDSQA3D13R159740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

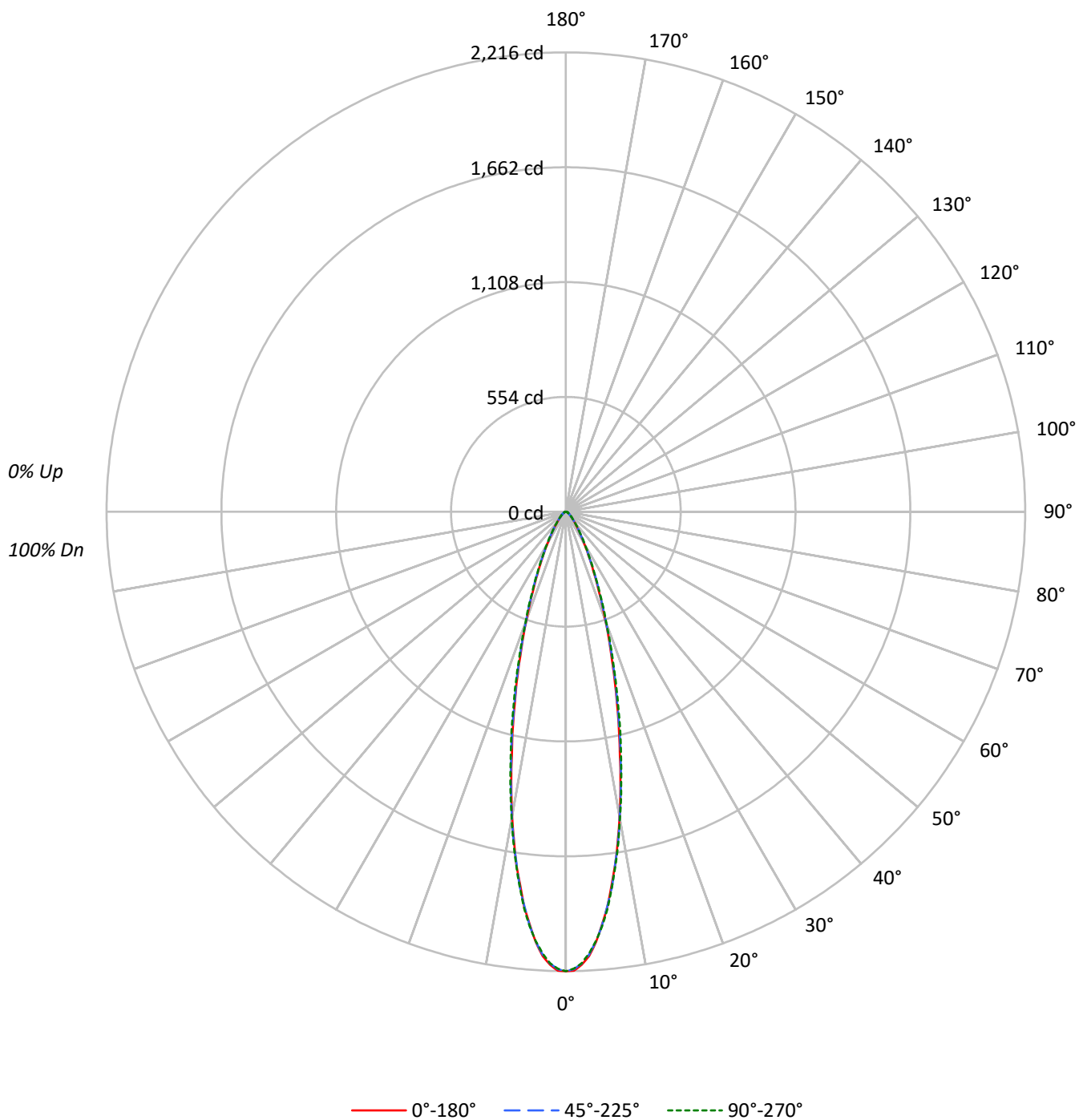
Lumens per Lamp: N/A
Luminaire Lumens: 733.0 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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°	381731	381731	381731
5°	345778	346418	346919
10°	261060	261707	263019
15°	169330	171166	174536
20°	101956	103147	104540
25°	59554	60809	61702
30°	35000	36134	36691
35°	21571	22370	22749
40°	14186	14591	14816
45°	9864	10083	10327
50°	7315	7556	7824
55°	5945	6215	6215
60°	5201	5201	5201
65°	4605	4605	4605
70°	3777	4280	4280
75°	3726	3726	3726
80°	2777	3769	3769
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 10327 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	23.8
10°-20°	267.0	36.4
20°-30°	151.7	20.7
30°-40°	69.2	9.4
40°-50°	33.2	4.5
50°-60°	18.6	2.5
60°-70°	11.4	1.6
70°-80°	6.0	0.8
80°-90°	1.3	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°	593.3	80.9
0°-40°	662.5	90.4
0°-60°	714.3	97.4
0°-90°	733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	733.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2216	2216	2216	2216	2216	
5°	2000	1999	2004	2004	2007	174
15°	950	954	960	973	979	264
25°	313	313	320	323	325	149
35°	103	104	106	108	108	67
45°	40	40	41	42	42	32
55°	20	20	21	21	21	18
65°	11	11	11	11	11	11
75°	6	6	6	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2216.5	2216.5	2216.5	2216.5	2216.5
1°	2214.7	2209.0	2207.1	2206.2	2204.3
2°	2186.4	2181.7	2180.8	2180.8	2179.8
3°	2146.9	2138.4	2139.4	2136.5	2133.7
4°	2080.1	2076.3	2078.2	2080.1	2076.3
5°	2000.1	1999.1	2003.8	2003.8	2006.7
6°	1917.2	1916.3	1913.5	1921.0	1924.8
7°	1811.8	1817.5	1825.0	1821.2	1824.1
8°	1715.8	1709.2	1712.1	1721.5	1722.4
9°	1602.9	1598.2	1610.4	1614.2	1615.1
10°	1492.8	1497.5	1496.5	1509.7	1504.0
12.5°	1205.7	1213.2	1221.7	1227.3	1233.0
15°	949.7	954.4	960.0	973.2	978.9
17.5°	730.4	736.0	741.7	753.0	754.8
20°	556.3	559.1	562.8	573.2	570.4
22.5°	416.0	420.7	424.5	429.2	432.0
25°	313.4	313.4	320.0	322.8	324.7
27.5°	233.4	235.3	240.0	243.8	242.8
30°	176.0	178.8	181.7	183.5	184.5
32.5°	135.5	135.5	138.4	141.2	142.1
35°	102.6	104.5	106.4	108.2	108.2
37.5°	80.0	80.9	82.8	83.8	83.8
40°	63.1	63.1	64.9	65.9	65.9
42.5°	49.9	50.8	51.8	52.7	52.7
45°	40.5	40.5	41.4	42.4	42.4
47.5°	32.9	32.9	33.9	34.8	34.8
50°	27.3	28.2	28.2	29.2	29.2
52.5°	23.5	23.5	23.5	24.5	24.5
55°	19.8	19.8	20.7	20.7	20.7
57.5°	16.9	16.9	16.9	17.9	17.9
60°	15.1	15.1	15.1	15.1	15.1
62.5°	13.2	13.2	13.2	13.2	13.2
65°	11.3	11.3	11.3	11.3	11.3
67.5°	9.4	9.4	9.4	10.4	10.4
70°	7.5	8.5	8.5	8.5	8.5
72.5°	6.6	6.6	6.6	6.6	6.6
75°	5.6	5.6	5.6	5.6	5.6
77.5°	4.7	4.7	4.7	4.7	4.7
80°	2.8	3.8	3.8	3.8	3.8
82.5°	1.9	1.9	1.9	1.9	1.9
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)