

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: IRiS

Report Number: P1306030

Luminaire Tested: P3SQAS17R159024DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

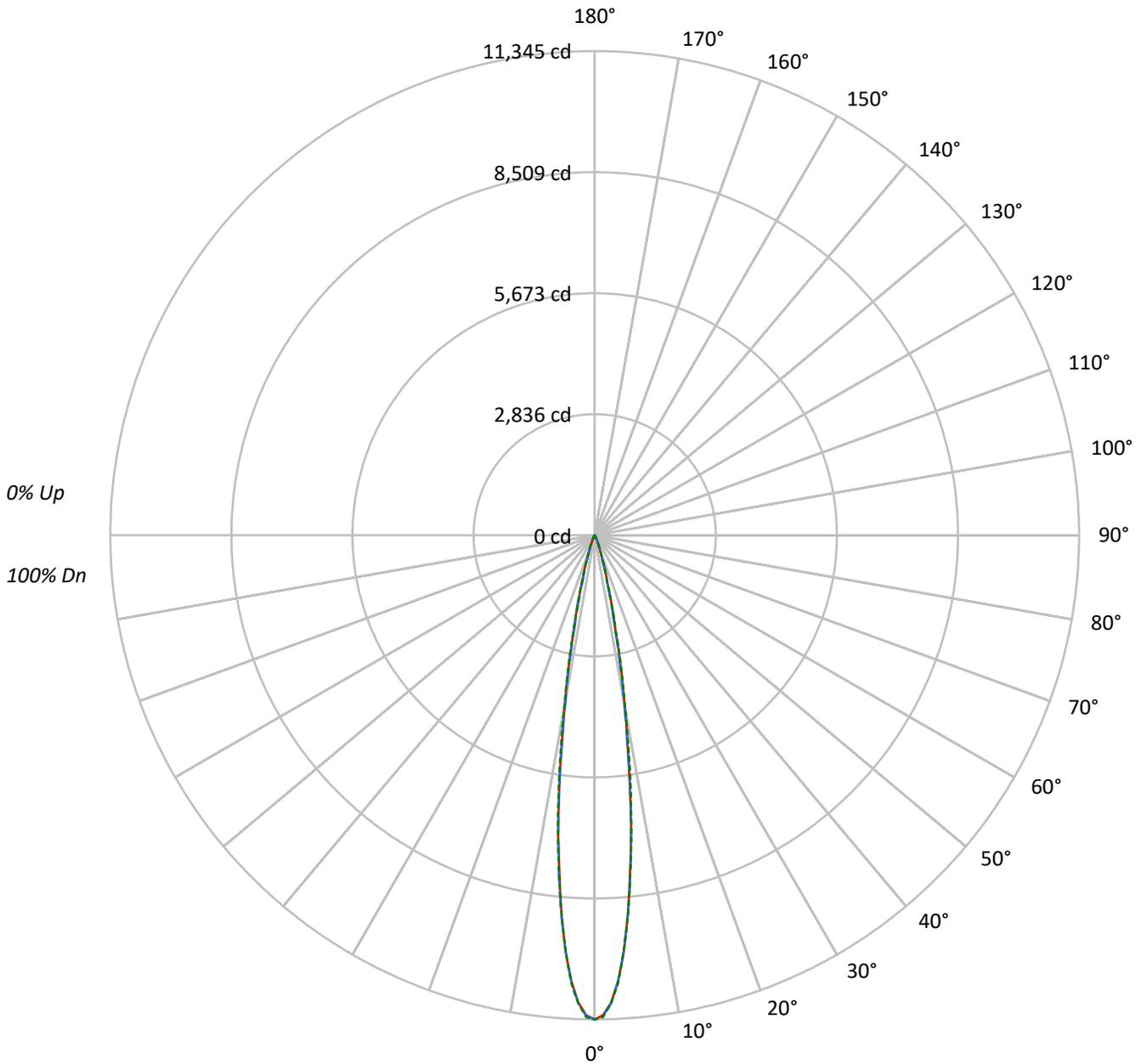
Test Method: LM-79-2019  
Report Number: P1306030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R159024DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1136.0 lumens  
Efficiency: N/A  
Efficacy: 53.6 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
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 (A<sub>in</sub>): 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



— 0°-180°    - - 45°-225°    ···· 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1953900	1953900	1953900
5°	1541230	1545362	1539864
10°	705131	686647	720031
15°	209661	187177	205399
20°	62259	60389	65374
25°	17710	22879	20504
30°	6324	6781	6105
35°	2397	2144	2144
40°	1012	517	764
45°	560	268	560
50°	295	0	295
55°	330	0	330
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: 0°  
 Vertical Angle: 47.5°  
 Luminance: 586 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	685.5	60.3
10°-20°	380.6	33.5
20°-30°	60.6	5.3
30°-40°	7.9	0.7
40°-50°	1.2	0.1
50°-60°	0.3	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°	1126.6	99.2
0°-40°	1134.5	99.9
0°-60°	1136.0	100.0
0°-90°	1136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1136.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11345	11345	11345	11345	11345	
5°	8915	8990	8939	8901	8907	684
15°	1176	1161	1050	1115	1152	388
25°	93	104	120	120	108	57
35°	11	11	10	11	10	8
45°	2	1	1	1	2	2
55°	1	0	0	0	1	1
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11345.2	11345.2	11345.2	11345.2	11345.2	11345.2	11345.2	11345.2	11345.2	11345.2	11345.2
1°	11247.5	11260.0	11275.9	11261.1	11247.5	11260.0	11242.9	11245.2	11231.6	11261.1	11294.1
2°	10961.2	10977.1	10968.0	10947.5	10979.4	10981.6	10946.4	10929.4	10927.1	10956.6	10968.0
3°	10454.5	10490.8	10492.0	10485.2	10474.9	10454.5	10418.1	10442.0	10409.0	10388.6	10504.5
4°	9780.8	9812.6	9850.1	9825.1	9750.1	9756.9	9780.8	9700.1	9704.6	9751.2	9754.6
5°	8915.0	9011.6	9016.2	8980.9	8921.9	8938.9	8921.9	8899.1	8907.1	8936.6	8907.1
6°	7896.0	8005.0	7924.4	8001.6	7984.6	8006.2	8011.8	7988.0	8005.0	7986.8	7981.2
7°	7015.5	6932.5	6943.9	6912.1	6946.2	6968.9	6982.5	6941.6	6974.6	7026.8	7041.6
8°	5923.7	5899.8	5876.0	5932.8	5916.9	5944.1	5961.2	6006.6	6004.3	6020.2	6072.5
9°	4884.1	4919.4	4940.9	4891.0	4934.1	4850.1	4879.6	5001.2	4969.3	5001.2	5094.3
10°	4032.1	4060.5	4028.6	4027.5	3982.1	3926.4	3923.0	3968.4	4063.9	4138.8	4117.3
12.5°	2224.5	2249.5	2252.9	2250.6	2168.8	2076.8	2093.8	2130.2	2189.3	2214.3	2255.2
15°	1175.9	1174.7	1187.2	1152.0	1108.8	1049.8	1054.3	1104.3	1148.6	1160.0	1152.0
17.5°	603.3	605.5	614.6	605.5	560.1	565.8	578.3	584.0	610.1	620.3	614.6
20°	339.7	340.8	339.7	343.1	324.9	329.5	345.4	346.5	352.2	357.9	356.7
22.5°	194.3	195.4	202.2	200.0	195.4	201.1	204.5	210.2	212.5	210.2	217.0
25°	93.2	94.3	94.3	107.9	114.7	120.4	122.7	120.4	118.2	109.1	107.9
27.5°	53.4	53.4	55.7	56.8	59.1	69.3	68.2	56.8	47.7	47.7	48.9
30°	31.8	30.7	30.7	31.8	32.9	34.1	31.8	30.7	30.7	31.8	30.7
32.5°	19.3	19.3	19.3	18.2	18.2	17.0	17.0	19.3	19.3	19.3	19.3
35°	11.4	11.4	11.4	11.4	10.2	10.2	10.2	11.4	11.4	10.2	10.2
37.5°	6.8	6.8	6.8	5.7	5.7	4.5	5.7	5.7	5.7	5.7	5.7
40°	4.5	4.5	3.4	3.4	2.3	2.3	2.3	3.4	3.4	3.4	3.4
42.5°	3.4	3.4	2.3	2.3	1.1	1.1	1.1	2.3	2.3	2.3	2.3
45°	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3
47.5°	2.3	2.3	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1	1.1
50°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
52.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
55°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)