

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMARK

Report Number: G3-2010-983-4

Luminaire Tested: **CLCS17S-60W-3000K**

Test Date: 10/16/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G3-2010-983-4  
Test Lab: COOPER LIGHTING SOLUTIONS  
Test Date: 10/16/2020  
Issue Date: 10/16/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: CLCS17S-60W-3000K  
Description: SELECTABLE CANOPY, 60W, 3000K  
Light Source: -  
Ballast/Driver: -  
SS-75L-42B

**Summary**

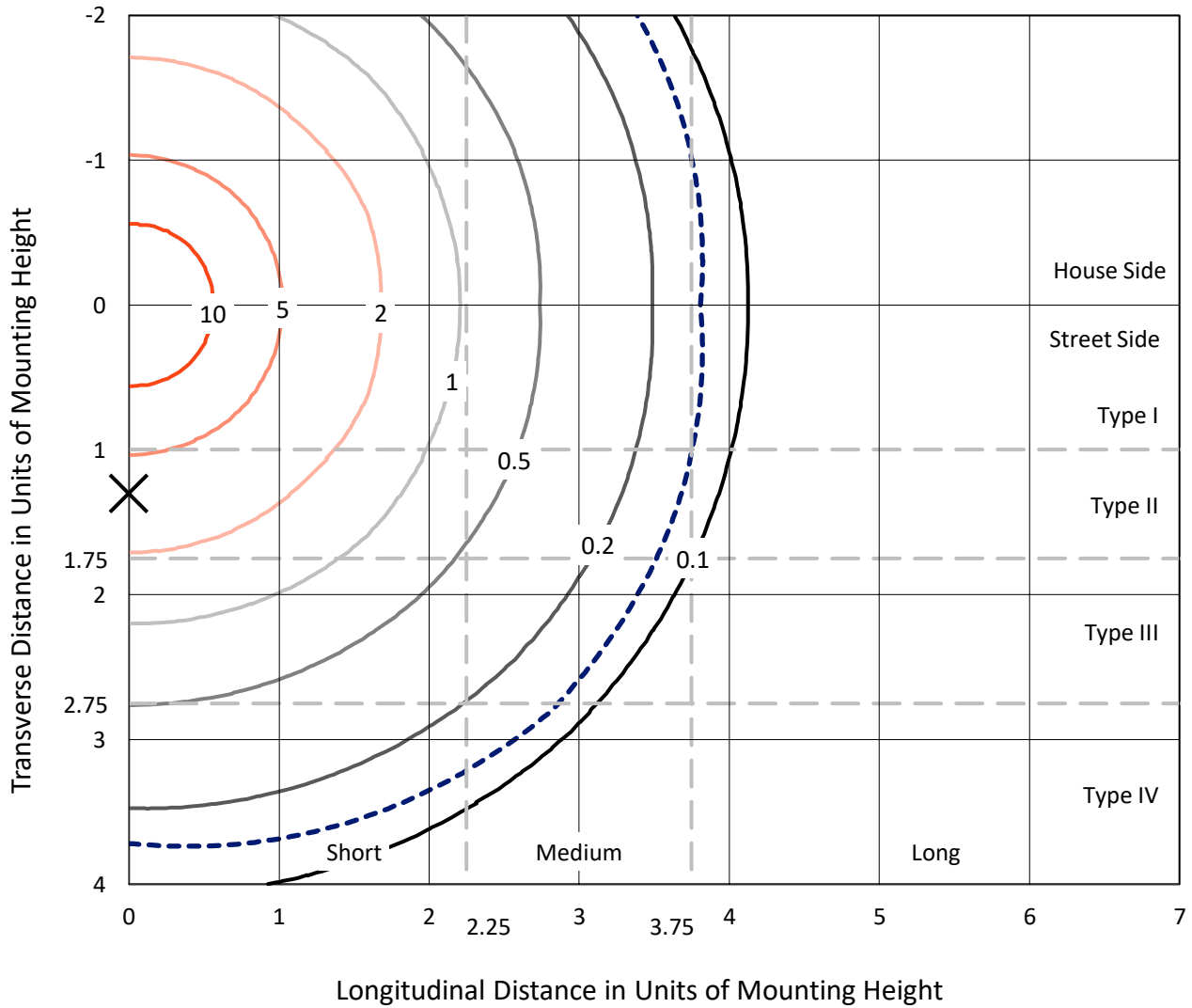
Lumens per Lamp: N/A  
Luminaire Lumens: 7336.5 lumens  
Efficiency: N/A  
Efficacy: 131.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.75' x H: 0.1')  
IES Classification: Type V - Short  
BUG Rating: B3 - U2 - G2  
  
Input Watts (W): 56  
Input Voltage (V): 120.1  
Input Current (A<sub>in</sub>): 0.468  
Voltage Rise (V): NR  
Power Factor: 0.9955  
Total Harmonic Distortion (THDi): 5.84%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 25.1  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

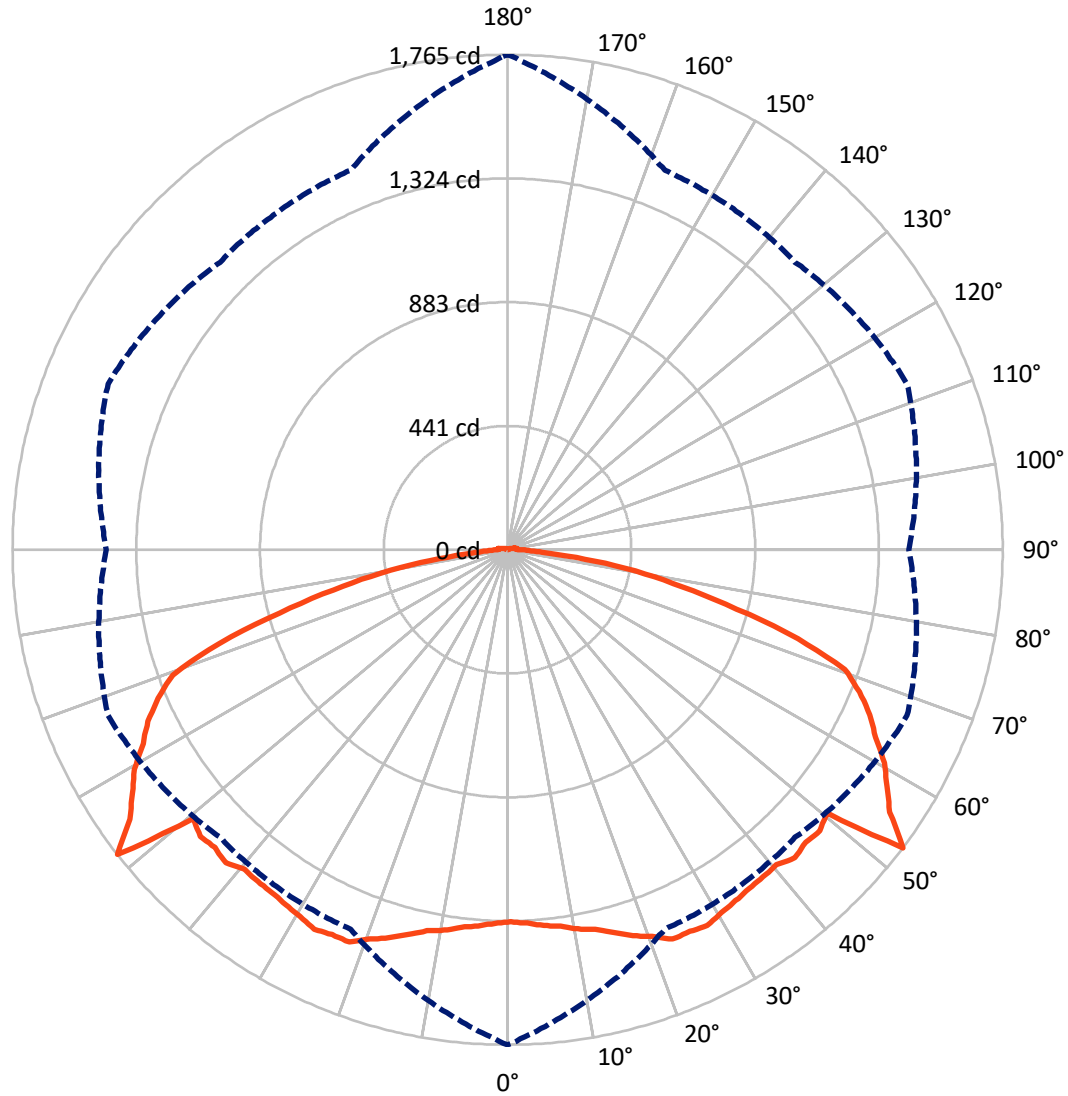
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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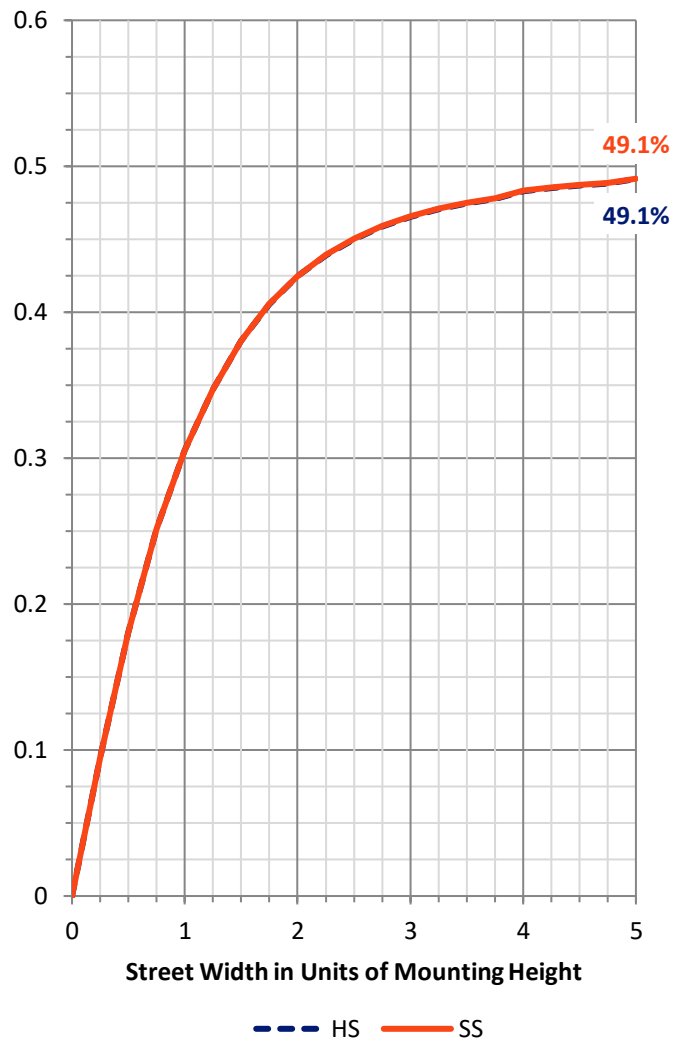
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3639.0	29.2	3668.2
	% Fixture	49.6	0.4	50.0
<b>Street Side</b>	Lumens	3639.0	29.2	3668.2
	% Fixture	49.6	0.4	50.0
<b>Total</b>	Lumens	7278.1	58.4	7336.5
	% Fixture	99.2	0.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.3	1.8
10°-20°	405.0	5.5
20°-30°	696.8	9.5
30°-40°	951.1	13.0
40°-50°	1148.9	15.7
50°-60°	1365.7	18.6
60°-70°	1429.9	19.5
70°-80°	939.5	12.8
80°-90°	210.8	2.9
90°-100°	33.3	0.5
100°-110°	18.3	0.2
110°-120°	6.0	0.1
120°-130°	0.8	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°-90°	7278.1	99.2
0°-180°	7336.5	100.0

**Coefficient of Utilization**

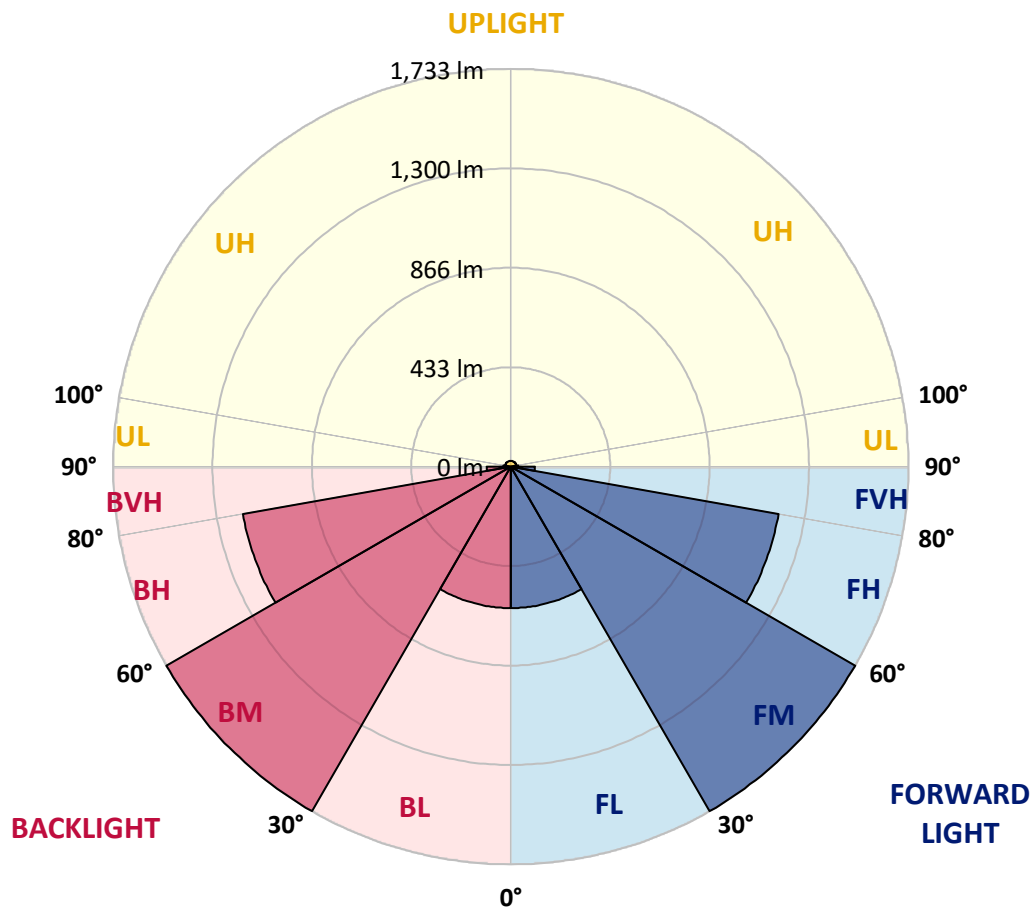


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.0	8.4			
FM (30°-60°)	1732.9	23.6			
FH (60°-80°)	1184.7	16.1			G1/1800
FVH (80°-90°)	105.4	1.4			G2/225
BL (0°-30°)	616.0	8.4	B2/1000		
BM (30°-60°)	1732.9	23.6	B2/2500		
BH (60°-80°)	1184.7	16.1	B3/2500		G1/1800
BVH (80°-90°)	105.4	1.4			G2/225
UL (90°-100°)	33.3	0.5		U2/50	
UH (100°-180°)	25.1	0.3		U2/50	

**BUG Rating: B3-U2-G2**  
 Type V Short





REPORT NUMBER: G3-2010-983-4

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1326	1326	1326	1326	1326
2.5°	1333	1334	1337	1344	1347
5°	1345	1348	1357	1369	1377
7.5°	1356	1367	1373	1372	1369
10°	1375	1400	1385	1380	1374
12.5°	1389	1424	1397	1392	1397
15°	1416	1441	1420	1422	1427
17.5°	1447	1447	1443	1443	1447
20°	1472	1471	1469	1458	1456
22.5°	1508	1491	1492	1478	1493
25°	1508	1519	1513	1513	1500
27.5°	1518	1517	1522	1522	1506
30°	1502	1528	1531	1520	1523
32.5°	1492	1529	1538	1517	1513
35°	1483	1537	1540	1520	1478
37.5°	1480	1513	1524	1506	1474
40°	1476	1501	1521	1494	1503
42.5°	1502	1491	1509	1492	1520
45°	1489	1495	1493	1468	1458
47.5°	1498	1471	1472	1445	1482
50°	1474	1458	1450	1457	1531
52.5°	1765	1464	1450	1542	1430
55°	1653	1567	1461	1496	1671
57.5°	1594	1556	1475	1555	1457
60°	1544	1539	1515	1548	1506
62.5°	1472	1510	1550	1505	1404
65°	1420	1458	1522	1439	1459
67.5°	1353	1397	1428	1403	1313
70°	1275	1291	1324	1301	1238
72.5°	1082	1122	1140	1144	1076
75°	844	897	939	917	872
77.5°	637	652	680	666	676
80°	462	460	457	471	454
82.5°	278	302	302	308	285
85°	124	137	156	157	143
87.5°	74	78	76	81	80
90°	41	45	42	47	45
92.5°	32	31	26	32	33
95°	30	28	23	29	32
97.5°	34	31	24	30	33
100°	28	25	18	26	29
102.5°	26	22	14	22	25
105°	20	17	11	18	22
107.5°	18	14	7	15	19
110°	16	11	6	11	16



REPORT NUMBER: G3-2010-983-4  
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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	12	8	4	8	12
115°	8	6	3	6	8
117.5°	5	4	1	4	6
120°	4	3	0	3	4
122.5°	4	1	0	2	3
125°	1	0	0	0	2
127.5°	0	0	0	0	0
130°	0	0	0	0	0
132.5°	0	0	0	0	0
135°	0	0	0	0	0
137.5°	0	0	0	0	0
140°	0	0	0	0	0
142.5°	0	0	0	0	0
145°	0	0	0	0	0
147.5°	0	0	0	0	0
150°	0	0	0	0	0
152.5°	0	0	0	0	0
155°	0	0	0	0	0
157.5°	0	0	0	0	0
160°	0	0	0	0	0
162.5°	0	0	0	0	0
165°	0	0	0	0	0
167.5°	0	0	0	0	0
170°	0	0	0	0	0
172.5°	0	0	0	0	0
175°	0	0	0	0	0
177.5°	0	0	0	0	0
180°	0	0	0	0	0

(END OF REPORT)