

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: G3-2010-983-5

Luminaire Tested: **CLCS17S-60W-4000K**

Test Date: 10/16/2020

Report Generated By 670245982

**Test Information**

Test Method: LM-79-08  
Report Number: G3-2010-983-5  
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-4000K  
Description: SELECTABLE CANOPY, 60W, 4000K  
Light Source: -  
Ballast/Driver: -  
SS-75L-42B

**Summary**

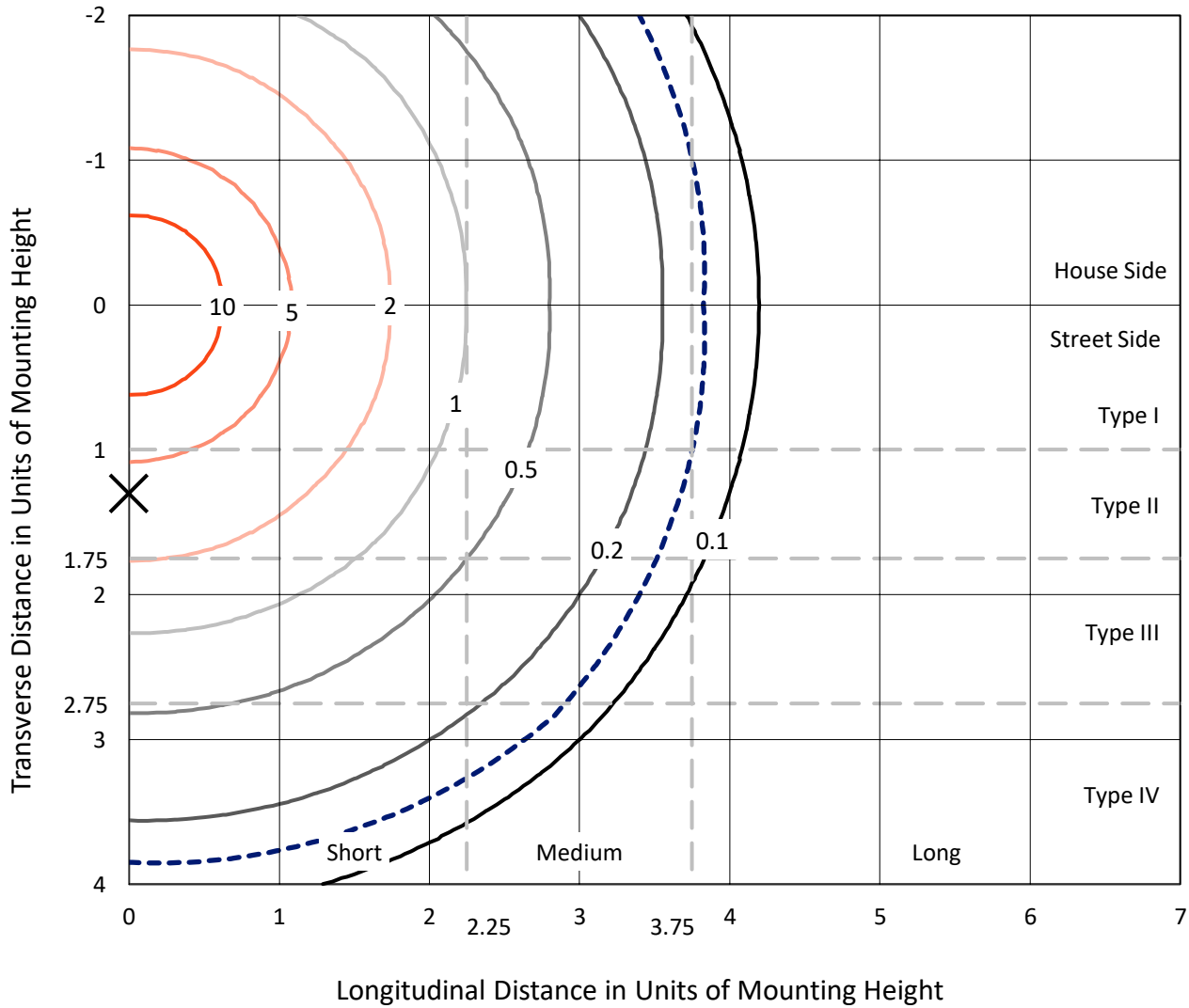
Lumens per Lamp: N/A  
Luminaire Lumens: 7955.5 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.75' x H: 0.1')  
IES Classification: Type V - Short  
BUG Rating: B3 - U2 - G2  
  
Input Watts (W): 54  
Input Voltage (V): 120.0  
Input Current (Ain): 0.452  
Voltage Rise (V): NR  
Power Factor: 0.9953  
Total Harmonic Distortion (THDi): 5.82%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 25.7  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

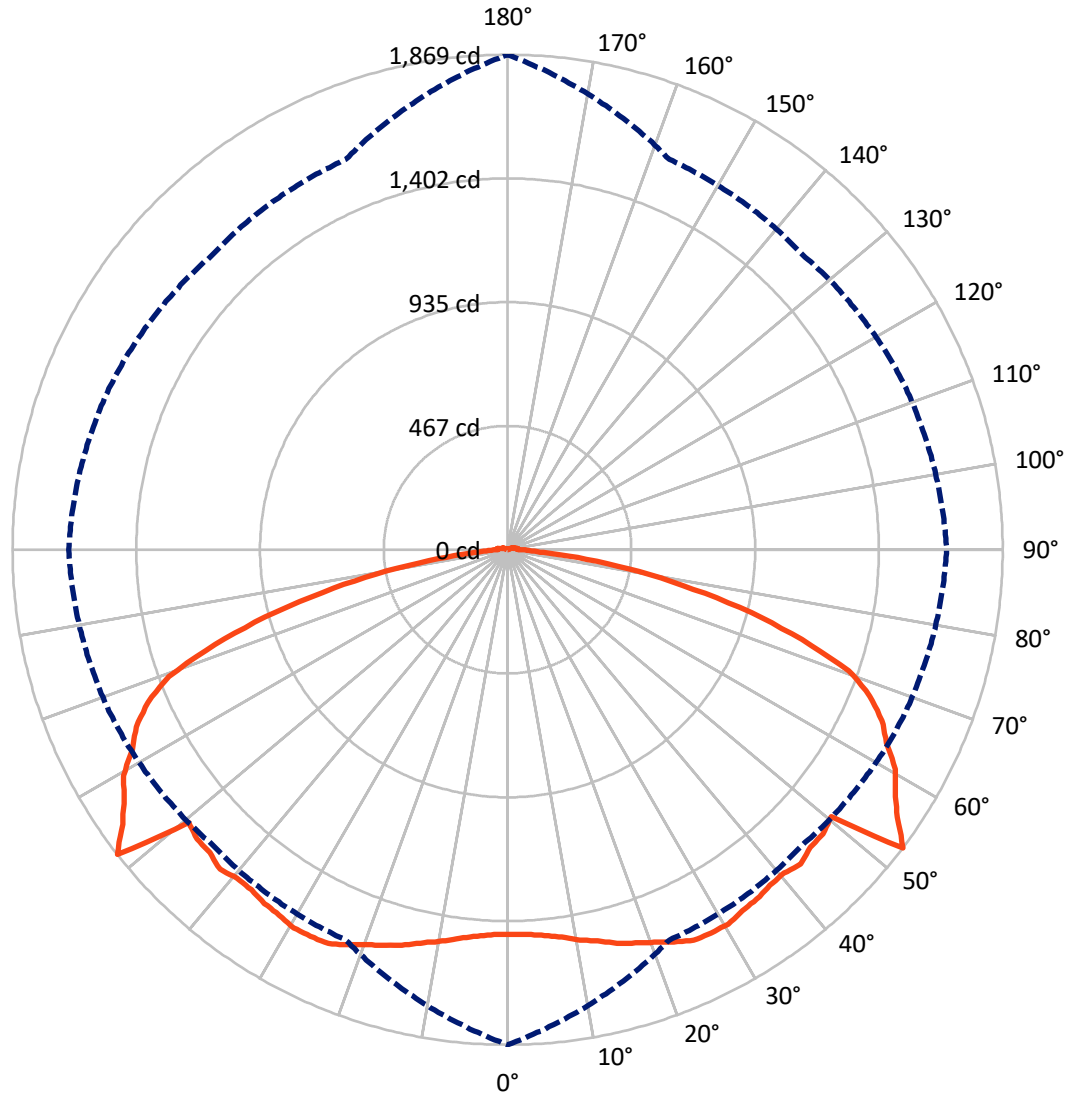
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 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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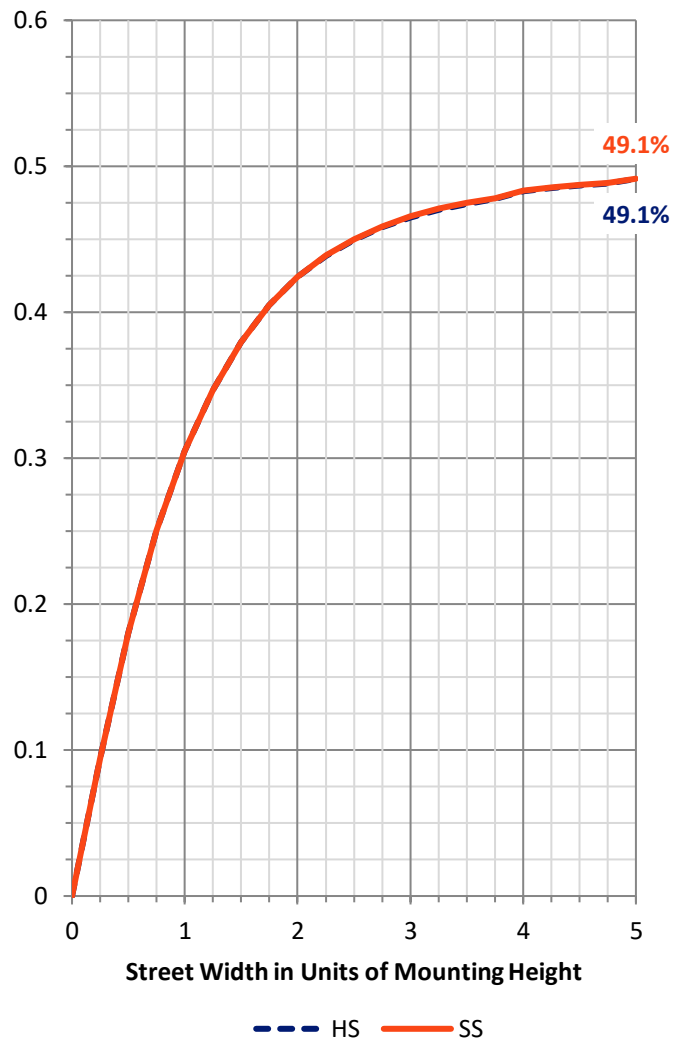
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3945.9	31.8	3977.7
	% Fixture	49.6	0.4	50.0
<b>Street Side</b>	Lumens	3945.9	31.8	3977.7
	% Fixture	49.6	0.4	50.0
<b>Total</b>	Lumens	7891.8	63.7	7955.5
	% Fixture	99.2	0.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.5	1.8
10°-20°	437.1	5.5
20°-30°	751.6	9.4
30°-40°	1030.4	13.0
40°-50°	1242.2	15.6
50°-60°	1483.3	18.6
60°-70°	1555.7	19.6
70°-80°	1022.1	12.8
80°-90°	228.7	2.9
90°-100°	36.5	0.5
100°-110°	19.9	0.2
110°-120°	6.4	0.1
120°-130°	0.9	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°	7891.8	99.2
0°-180°	7955.5	100.0

**Coefficient of Utilization**

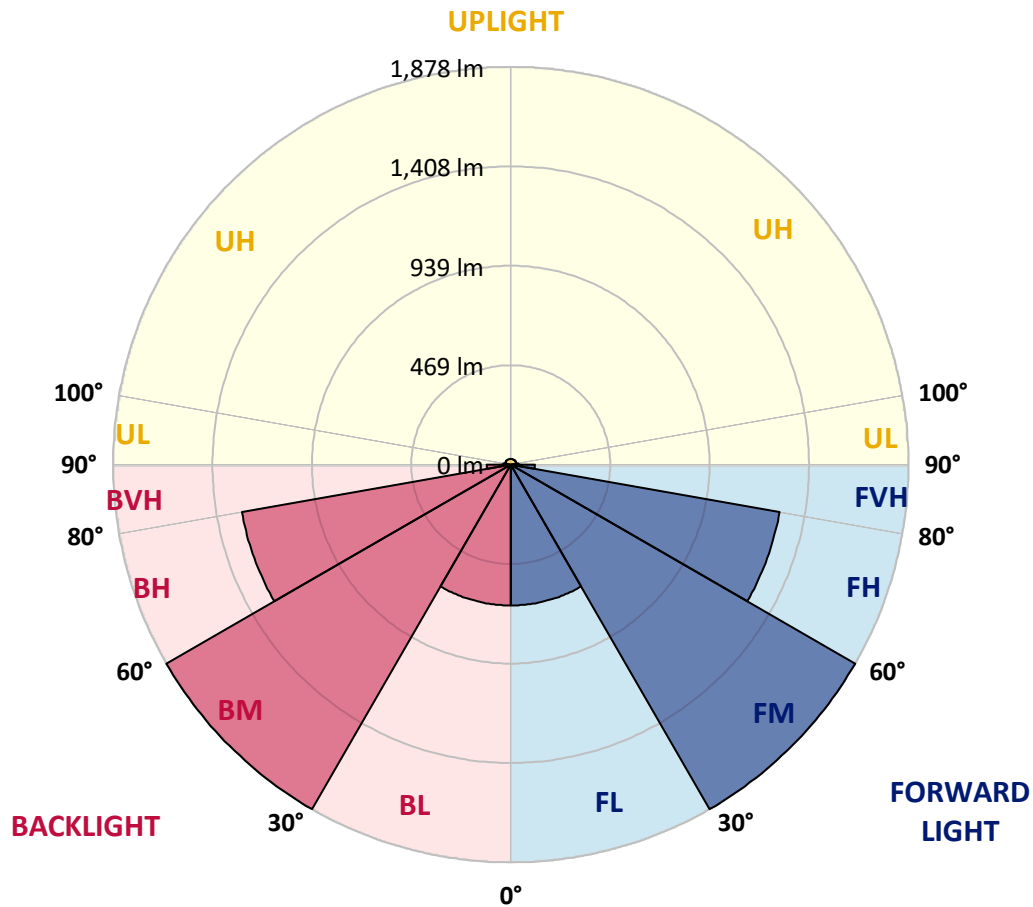


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	664.6	8.4			
FM (30°-60°)	1878.0	23.6			
FH (60°-80°)	1288.9	16.2			G1/1800
FVH (80°-90°)	114.4	1.4			G2/225
BL (0°-30°)	664.6	8.4	B2/1000		
BM (30°-60°)	1878.0	23.6	B2/2500		
BH (60°-80°)	1288.9	16.2	B3/2500		G1/1800
BVH (80°-90°)	114.4	1.4			G2/225
UL (90°-100°)	36.5	0.5		U2/50	
UH (100°-180°)	27.2	0.3		U2/50	

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





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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1452	1452	1452	1452	1452
2.5°	1454	1454	1453	1454	1456
5°	1463	1461	1459	1461	1464
7.5°	1477	1474	1471	1474	1475
10°	1498	1497	1490	1492	1496
12.5°	1516	1516	1518	1512	1512
15°	1541	1538	1546	1534	1533
17.5°	1561	1555	1569	1554	1556
20°	1582	1580	1588	1576	1579
22.5°	1609	1598	1607	1599	1614
25°	1633	1629	1620	1629	1637
27.5°	1638	1643	1632	1649	1642
30°	1640	1652	1646	1654	1636
32.5°	1626	1658	1657	1652	1626
35°	1620	1647	1663	1645	1614
37.5°	1608	1633	1662	1630	1614
40°	1606	1620	1657	1625	1615
42.5°	1623	1608	1641	1611	1623
45°	1603	1611	1615	1589	1610
47.5°	1602	1586	1591	1575	1604
50°	1584	1577	1575	1571	1612
52.5°	1869	1595	1575	1622	1657
55°	1785	1699	1585	1701	1685
57.5°	1725	1699	1602	1689	1674
60°	1682	1687	1639	1661	1608
62.5°	1605	1653	1694	1621	1563
65°	1553	1594	1658	1578	1507
67.5°	1475	1525	1573	1509	1448
70°	1366	1419	1432	1410	1334
72.5°	1161	1246	1247	1239	1151
75°	950	984	1015	977	940
77.5°	717	713	749	717	721
80°	505	501	489	511	497
82.5°	300	326	338	330	319
85°	135	149	164	169	155
87.5°	80	85	80	89	83
90°	46	49	45	52	48
92.5°	35	34	28	35	36
95°	33	31	26	32	36
97.5°	38	33	26	33	37
100°	30	27	20	28	32
102.5°	28	24	15	23	28
105°	22	19	12	19	24
107.5°	20	16	8	16	20
110°	18	12	6	12	17



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	13	8	5	9	13
115°	8	6	3	6	8
117.5°	6	4	1	4	6
120°	5	4	0	3	5
122.5°	4	2	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)