

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: G3-2010-983-3

Luminaire Tested: **CLCS17S-40W-5000K**

Test Date: 10/16/2020

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: G3-2010-983-3
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-40W-5000K
Description: SELECTABLE CANOPY, 40W, 5000K
Light Source: -
Ballast/Driver: -
SS-75L-42B

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5738.8 lumens
Efficiency: N/A
Efficacy: 148.7 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: B2 - U2 - G1

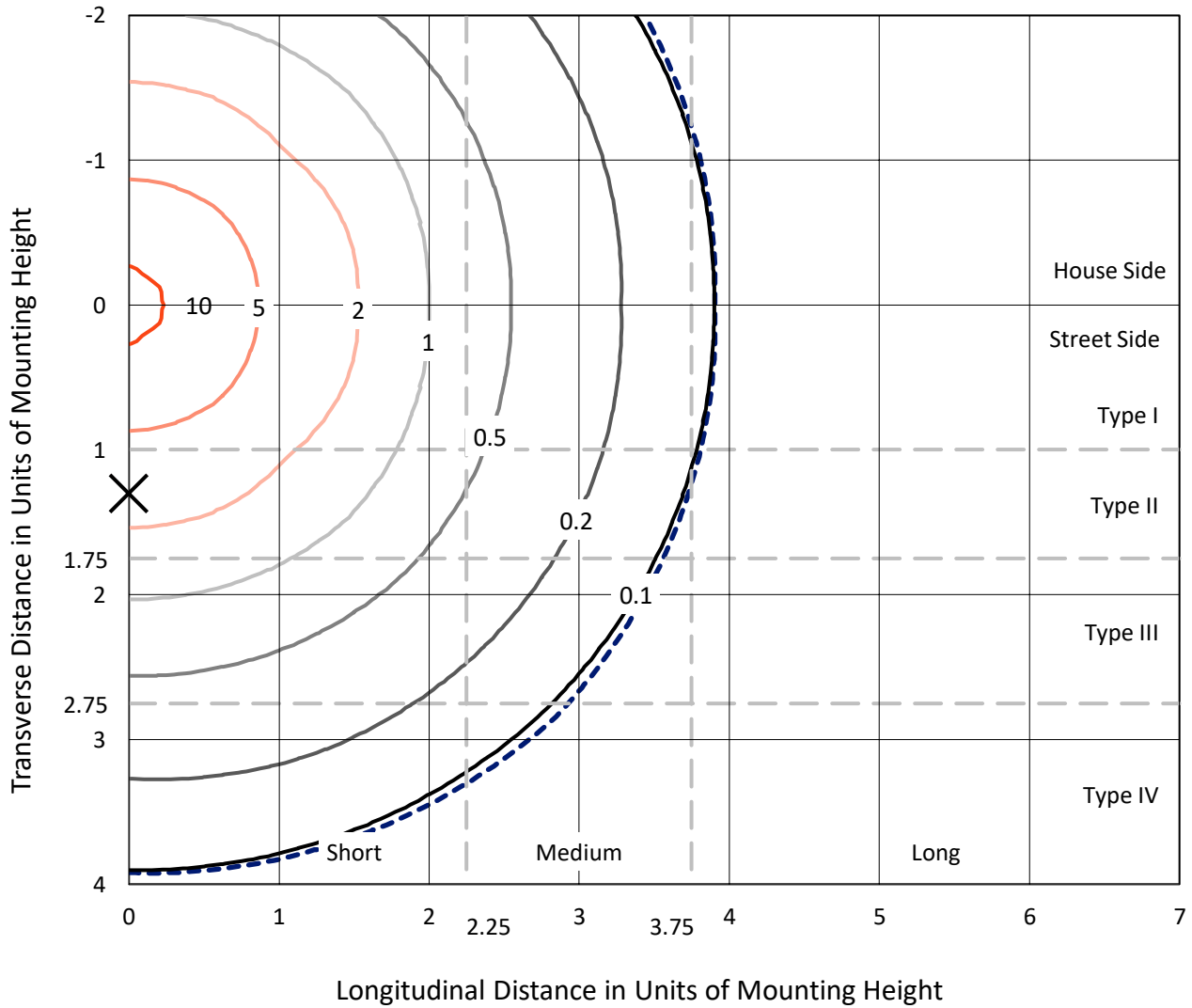
Input Watts (W): 38.6
Input Voltage (V): 120.0
Input Current (Ain): 0.324
Voltage Rise (V): NR
Power Factor: 0.9926
Total Harmonic Distortion (THDi): 6.33%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.2
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

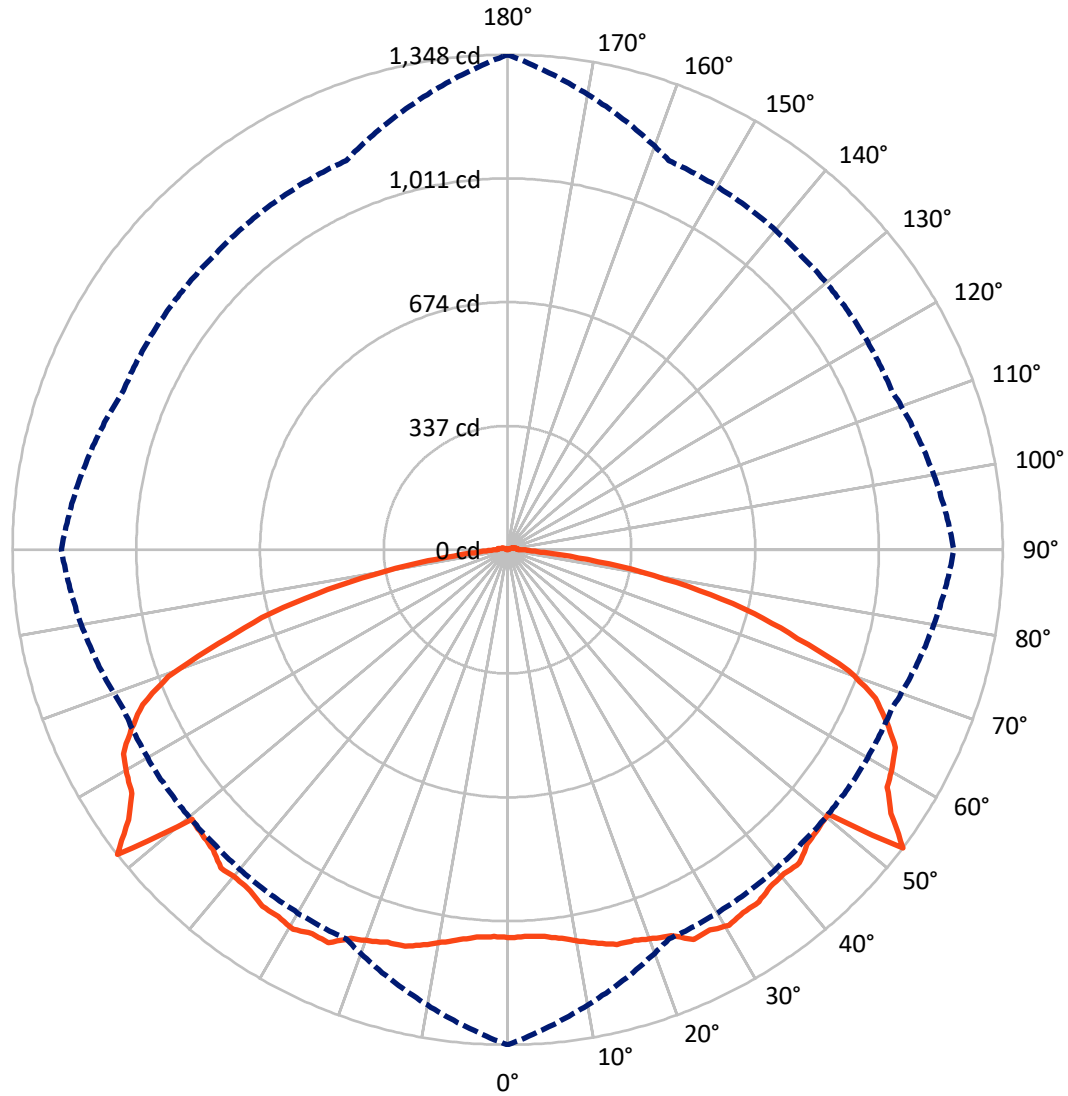
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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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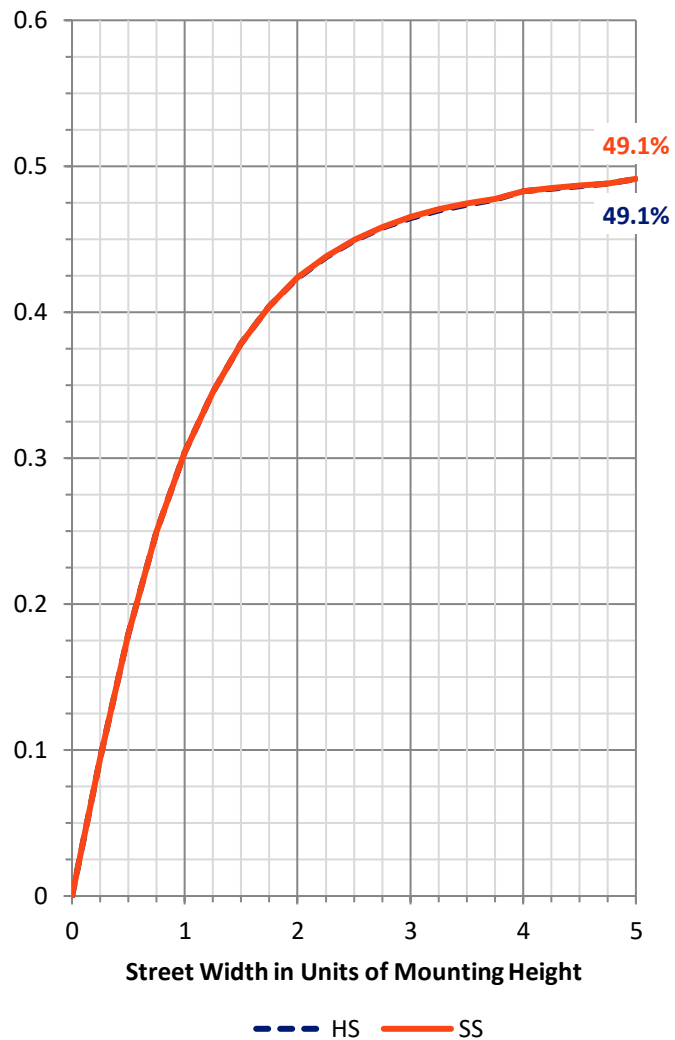
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2846.1	23.3	2869.4
	% Fixture	49.6	0.4	50.0
Street Side	Lumens	2846.1	23.3	2869.4
	% Fixture	49.6	0.4	50.0
Total	Lumens	5692.1	46.6	5738.8
	% Fixture	99.2	0.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	1.8
10°-20°	313.5	5.5
20°-30°	538.6	9.4
30°-40°	741.6	12.9
40°-50°	892.0	15.5
50°-60°	1068.3	18.6
60°-70°	1128.5	19.7
70°-80°	741.9	12.9
80°-90°	167.0	2.9
90°-100°	26.6	0.5
100°-110°	14.6	0.3
110°-120°	4.9	0.1
120°-130°	0.6	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°	5692.1	99.2
0°-180°	5738.8	100.0

Coefficient of Utilization

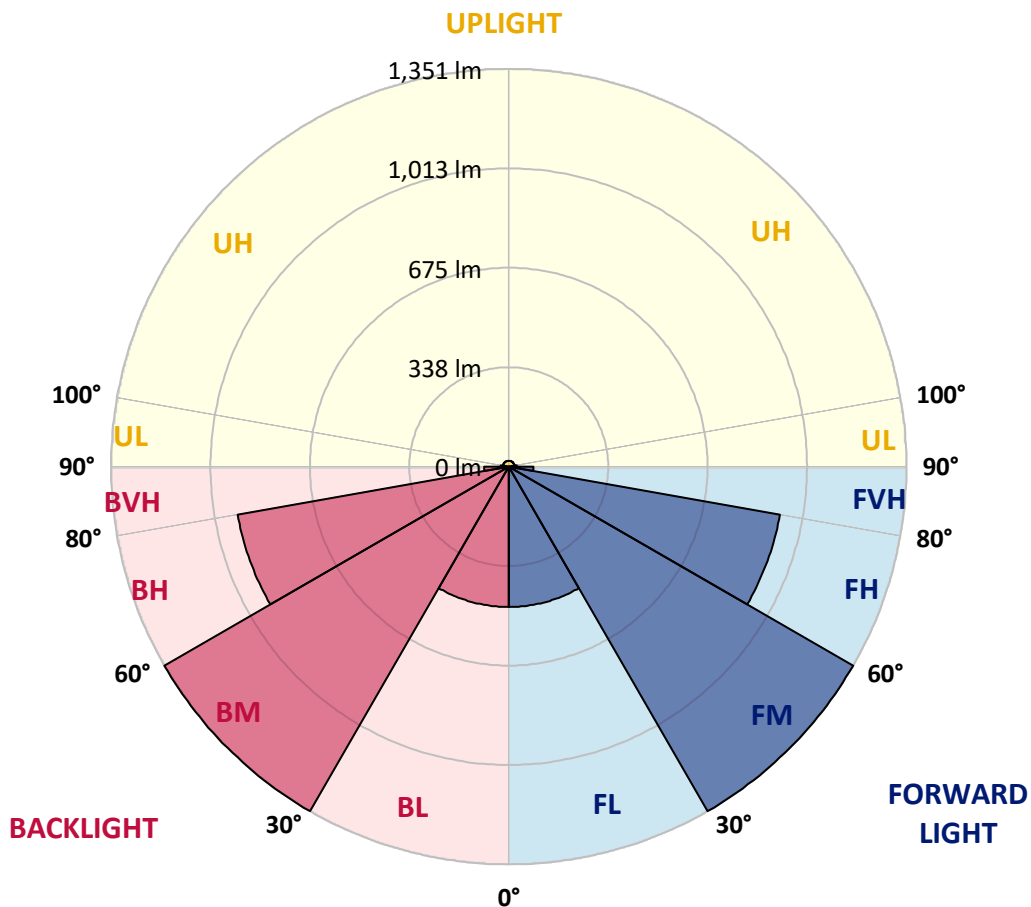


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	476.4	8.3			
FM (30°-60°)	1351.0	23.5			
FH (60°-80°)	935.2	16.3			G1/1800
FVH (80°-90°)	83.5	1.5			G1/100
BL (0°-30°)	476.4	8.3	B1/500		
BM (30°-60°)	1351.0	23.5	B2/2500		
BH (60°-80°)	935.2	16.3	B2/1000		G1/1800
BVH (80°-90°)	83.5	1.5			G1/100
UL (90°-100°)	26.6	0.5		U2/50	
UH (100°-180°)	20.0	0.3		U2/50	

BUG Rating: B2-U2-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1056	1056	1056	1056	1056
2.5°	1054	1052	1049	1046	1045
5°	1058	1053	1043	1037	1037
7.5°	1069	1054	1047	1053	1058
10°	1084	1065	1066	1073	1081
12.5°	1100	1074	1097	1091	1087
15°	1115	1091	1118	1101	1091
17.5°	1118	1109	1133	1112	1111
20°	1130	1128	1141	1133	1134
22.5°	1141	1140	1149	1148	1157
25°	1176	1160	1153	1166	1186
27.5°	1173	1181	1165	1188	1188
30°	1187	1187	1174	1194	1166
32.5°	1178	1195	1186	1194	1161
35°	1178	1172	1194	1183	1170
37.5°	1163	1171	1203	1171	1173
40°	1160	1161	1200	1173	1152
42.5°	1166	1153	1184	1158	1154
45°	1144	1152	1158	1141	1179
47.5°	1137	1137	1142	1138	1156
50°	1131	1132	1135	1124	1136
52.5°	1348	1147	1132	1132	1215
55°	1267	1224	1141	1271	1136
57.5°	1219	1234	1155	1223	1279
60°	1203	1233	1174	1193	1150
62.5°	1185	1201	1232	1163	1160
65°	1135	1162	1203	1153	1042
67.5°	1080	1107	1156	1080	1066
70°	986	1030	1041	1014	958
72.5°	826	908	910	887	834
75°	694	715	722	713	699
77.5°	534	527	549	521	505
80°	370	366	361	370	368
82.5°	219	237	248	241	230
85°	99	110	120	121	112
87.5°	58	63	59	66	60
90°	33	35	32	37	35
92.5°	26	25	21	25	27
95°	24	23	19	24	26
97.5°	27	24	19	24	27
100°	22	20	14	20	23
102.5°	20	17	11	17	20
105°	16	14	9	14	17
107.5°	15	12	6	12	15
110°	13	9	5	9	13



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9	6	4	6	9
115°	6	5	3	5	6
117.5°	5	3	1	3	5
120°	3	3	0	2	3
122.5°	3	1	0	1	3
125°	1	0	0	0	1
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)