

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: G3-2010-983-2

Luminaire Tested: **CLCS17S-40W-4000K**

Test Date: 10/16/2020

Test Information

Test Method: LM-79-08
Report Number: G3-2010-983-2
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-4000K
Description: SELECTABLE CANOPY, 40W, 4000K
Light Source: -
Ballast/Driver: -
SS-75L-42B

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5671.4 lumens
Efficiency: N/A
Efficacy: 151.2 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

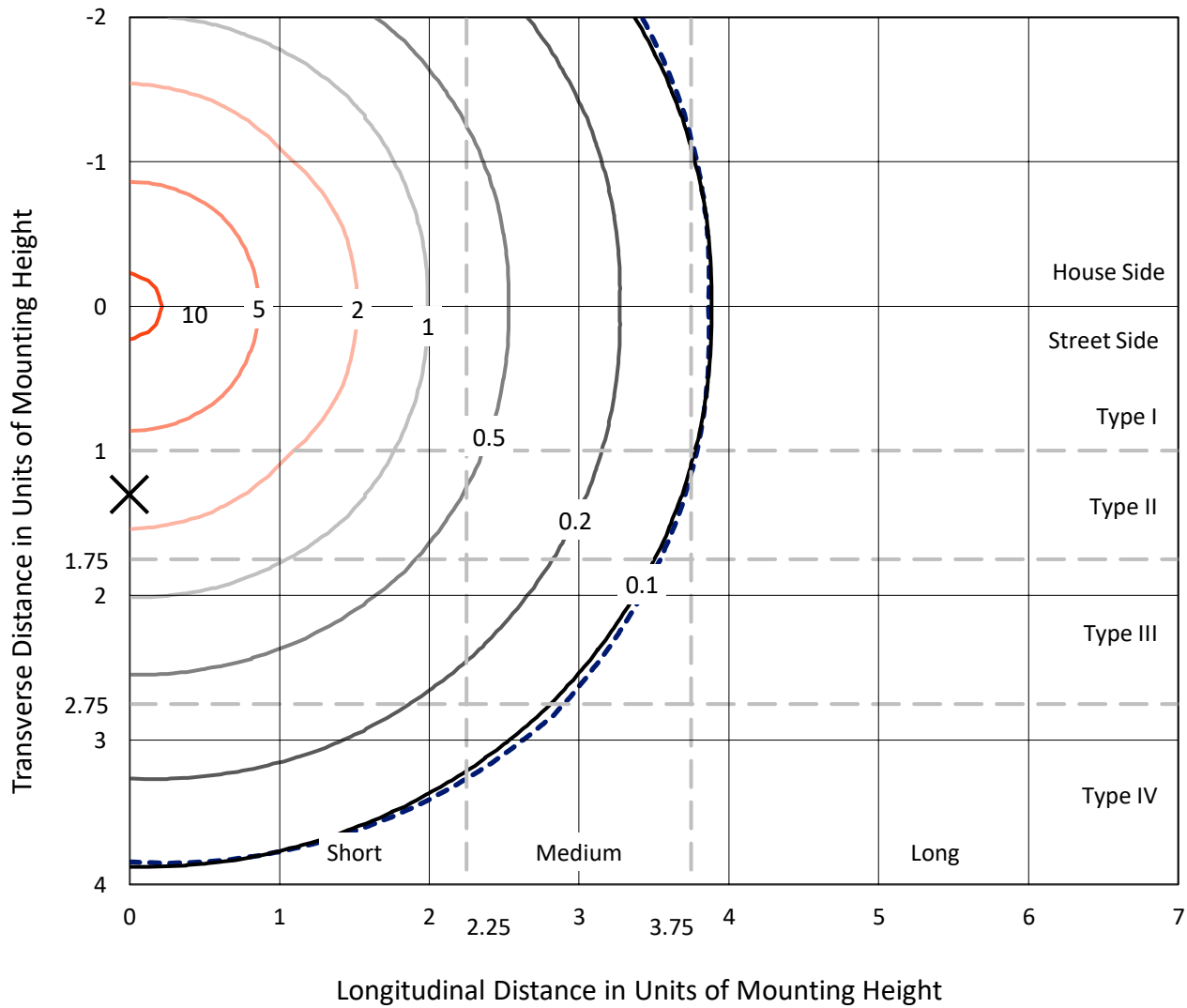
Input Watts (W): 37.5
Input Voltage (V): 120.0
Input Current (A_{in}): 0.315
Voltage Rise (V): NR
Power Factor: 0.9922
Total Harmonic Distortion (THDi): 6.43%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.2
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

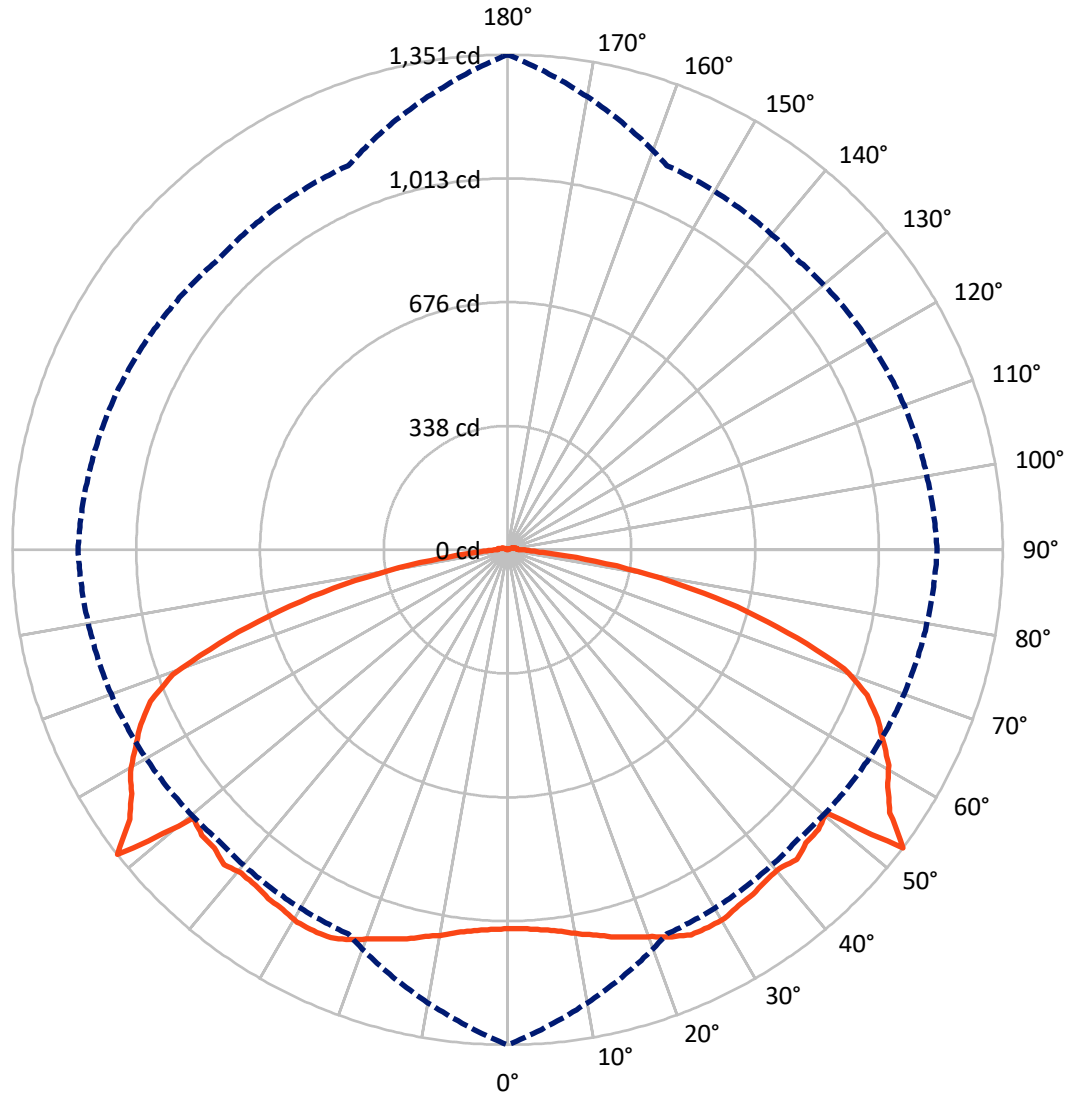
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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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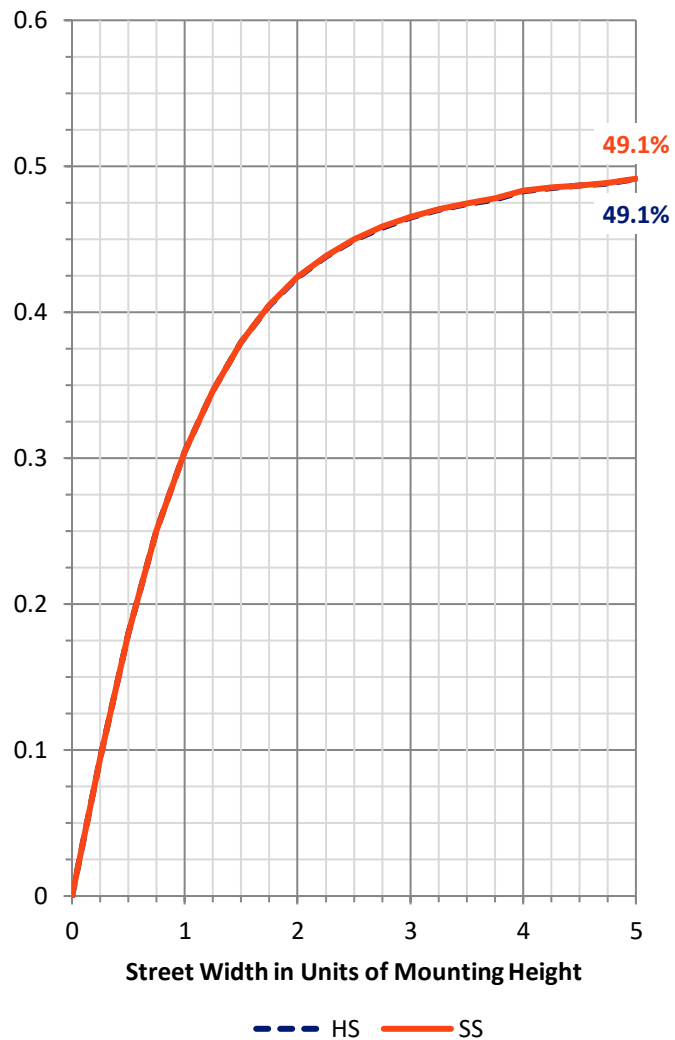
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2813.0	22.7	2835.7
	% Fixture	49.6	0.4	50.0
Street Side	Lumens	2813.0	22.7	2835.7
	% Fixture	49.6	0.4	50.0
Total	Lumens	5625.9	45.5	5671.4
	% Fixture	99.2	0.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	1.8
10°-20°	311.2	5.5
20°-30°	535.3	9.4
30°-40°	733.5	12.9
40°-50°	884.3	15.6
50°-60°	1056.1	18.6
60°-70°	1110.1	19.6
70°-80°	731.6	12.9
80°-90°	163.7	2.9
90°-100°	26.0	0.5
100°-110°	14.2	0.3
110°-120°	4.7	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°	5625.9	99.2
0°-180°	5671.4	100.0

Coefficient of Utilization

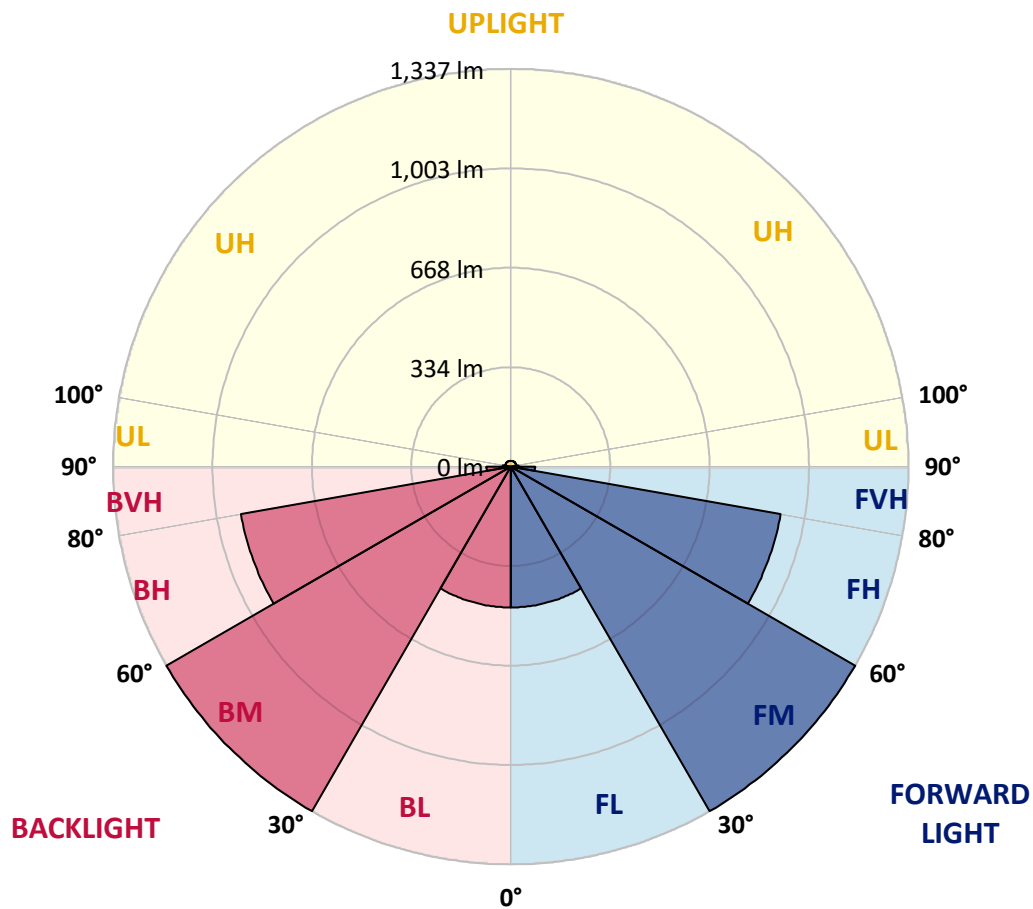


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.3	8.3			
FM (30°-60°)	1337.0	23.6			
FH (60°-80°)	920.9	16.2			G1/1800
FVH (80°-90°)	81.9	1.4			G1/100
BL (0°-30°)	473.3	8.3	B1/500		
BM (30°-60°)	1337.0	23.6	B2/2500		
BH (60°-80°)	920.9	16.2	B2/1000		G1/1800
BVH (80°-90°)	81.9	1.4			G1/100
UL (90°-100°)	26.0	0.5		U2/50	
UH (100°-180°)	19.5	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°	1034	1034	1034	1034	1034
2.5°	1036	1036	1035	1036	1037
5°	1042	1041	1040	1041	1044
7.5°	1051	1049	1048	1050	1052
10°	1066	1067	1062	1063	1064
12.5°	1079	1080	1082	1077	1077
15°	1097	1095	1100	1093	1090
17.5°	1111	1107	1116	1105	1107
20°	1127	1125	1131	1123	1124
22.5°	1147	1138	1144	1138	1150
25°	1164	1160	1154	1161	1164
27.5°	1167	1169	1163	1175	1169
30°	1167	1175	1171	1177	1165
32.5°	1157	1181	1179	1176	1158
35°	1154	1172	1184	1171	1149
37.5°	1145	1162	1182	1161	1149
40°	1143	1153	1180	1156	1150
42.5°	1156	1145	1168	1148	1155
45°	1142	1146	1148	1131	1145
47.5°	1141	1131	1132	1120	1142
50°	1128	1122	1121	1118	1154
52.5°	1351	1135	1119	1149	1172
55°	1266	1206	1128	1211	1207
57.5°	1223	1209	1140	1205	1202
60°	1195	1203	1166	1185	1150
62.5°	1150	1179	1204	1156	1116
65°	1109	1144	1181	1122	1075
67.5°	1058	1089	1126	1076	1033
70°	975	1011	1026	1002	952
72.5°	827	887	892	878	827
75°	677	704	720	710	686
77.5°	518	519	539	515	504
80°	361	365	352	366	349
82.5°	212	237	237	238	224
85°	96	106	120	121	110
87.5°	57	60	58	64	60
90°	32	35	32	36	34
92.5°	25	24	20	25	26
95°	24	22	18	23	26
97.5°	27	24	19	23	26
100°	22	20	14	20	23
102.5°	20	17	11	17	20
105°	16	13	8	14	17
107.5°	15	11	6	11	14
110°	13	9	4	9	12



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CANDELA DISTRIBUTION (continued):

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