

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: G3-2010-983-10

Luminaire Tested: **CLCS40S-120W-3000K**

Test Date: 10/17/2020

Report Generated By 670245982

**Test Information**

Test Method: LM-79-08  
Report Number: G3-2010-983-10  
Test Lab: COOPER LIGHTING SOLUTIONS  
Test Date: 10/17/2020  
Issue Date: 10/17/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: CLCS40S-120W-3000K  
Description: SELECTABLE CANOPY, 120W, 3000K  
Light Source: -  
Ballast/Driver: -  
SS-150VA-56B

**Summary**

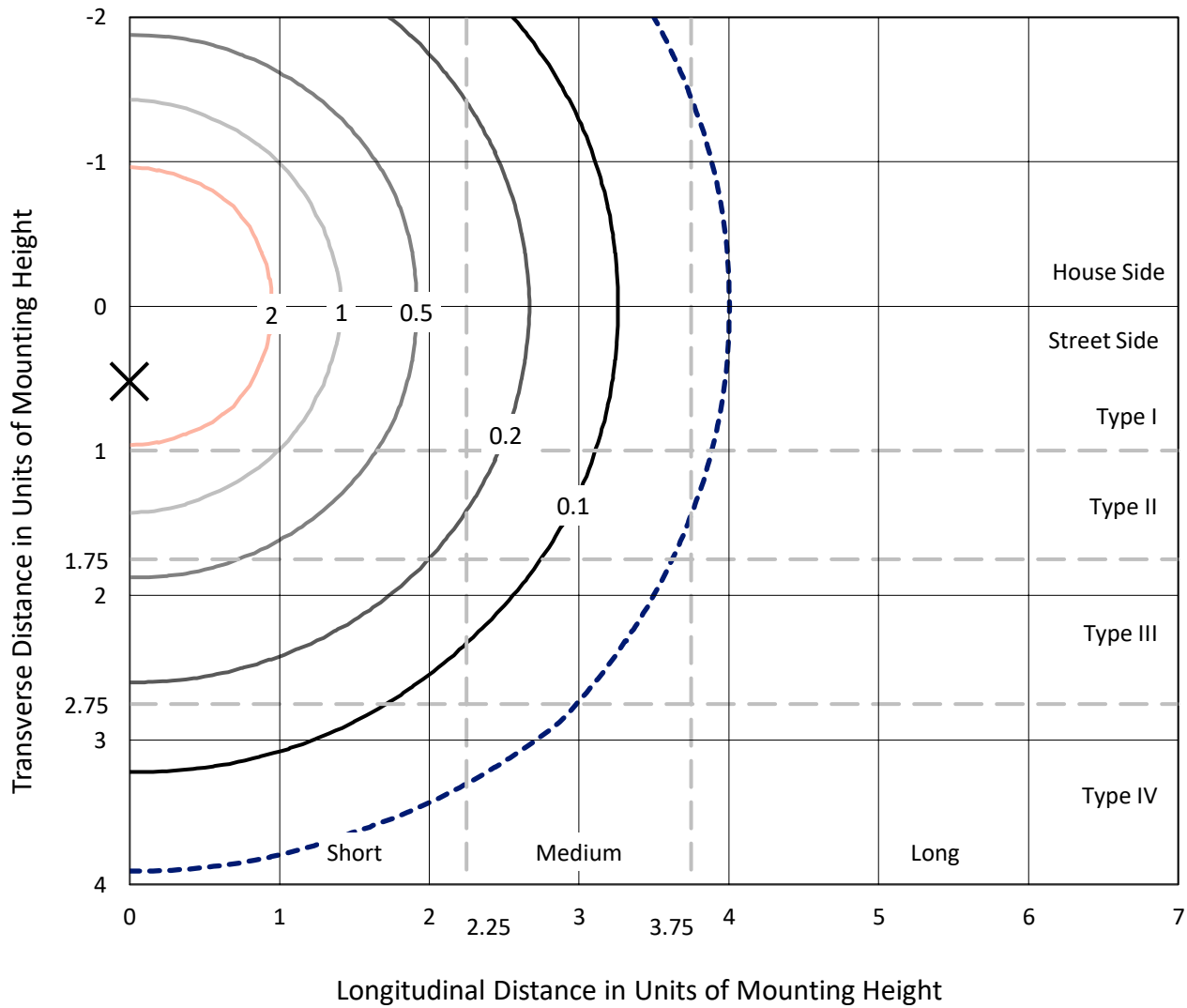
Lumens per Lamp: N/A  
Luminaire Lumens: 16123.2 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.12')  
IES Classification: Type V - Short  
BUG Rating: B4 - U3 - G3  
  
Input Watts (W): 123.2  
Input Voltage (V): 120.1  
Input Current (A<sub>in</sub>): 1.03  
Voltage Rise (V): NR  
Power Factor: 0.9967  
Total Harmonic Distortion (THDi): 3.88%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 25.3  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

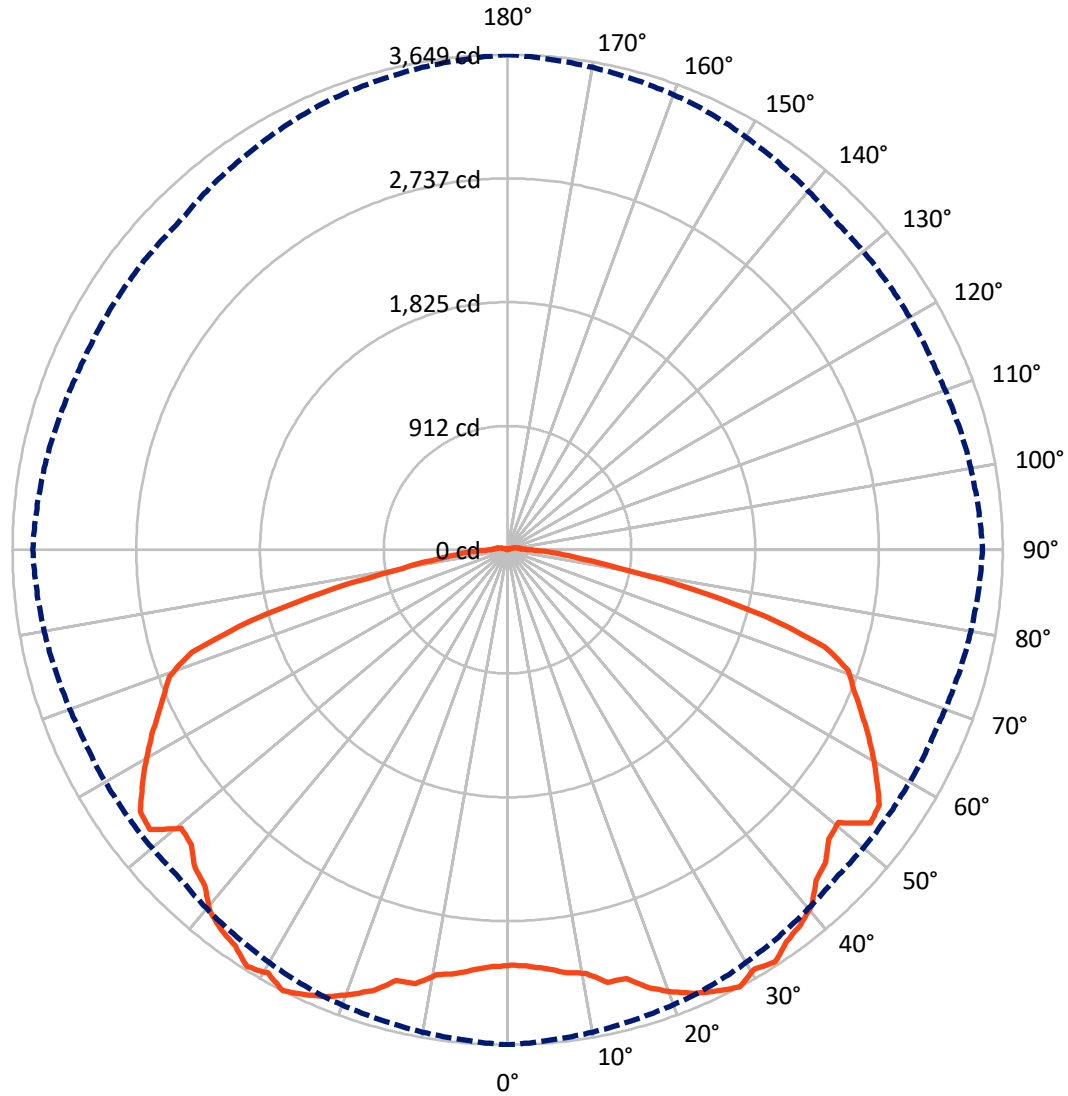
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral    - - - Horizontal Cone Through 27.5-Deg Vertical

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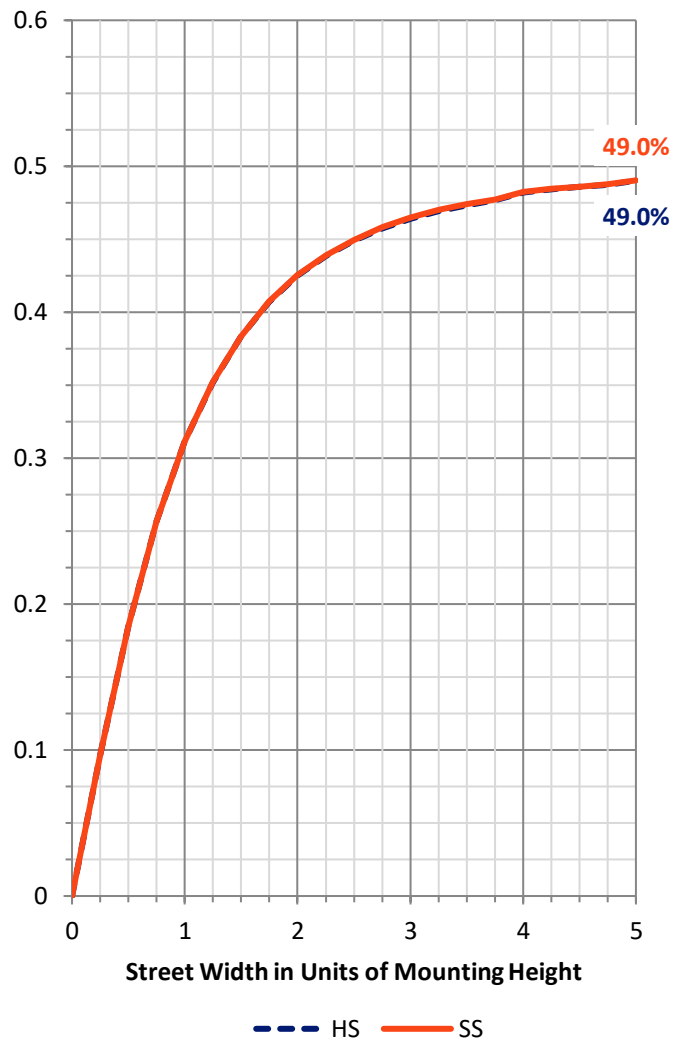
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7987.7	73.9	8061.6
	% Fixture	49.5	0.5	50.0
<b>Street Side</b>	Lumens	7987.7	73.9	8061.6
	% Fixture	49.5	0.5	50.0
<b>Total</b>	Lumens	15975.4	147.8	16123.2
	% Fixture	99.1	0.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.3	1.8
10°-20°	930.1	5.8
20°-30°	1604.9	10.0
30°-40°	2179.3	13.5
40°-50°	2555.6	15.9
50°-60°	2875.3	17.8
60°-70°	2981.5	18.5
70°-80°	2072.2	12.9
80°-90°	479.1	3.0
90°-100°	92.5	0.6
100°-110°	42.3	0.3
110°-120°	11.6	0.1
120°-130°	1.4	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°	15975.4	99.1
0°-180°	16123.2	100.0

**Coefficient of Utilization**

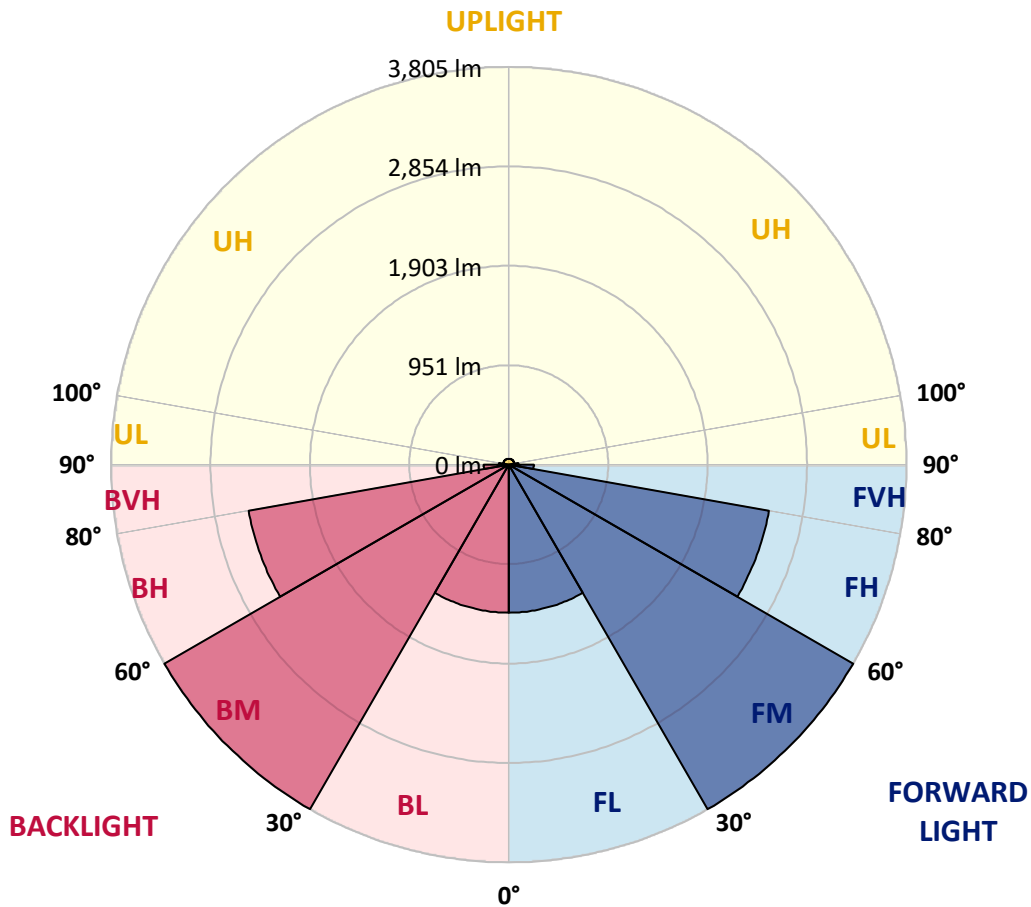


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1416.2	8.8			
FM (30°-60°)	3805.1	23.6			
FH (60°-80°)	2526.9	15.7			G2/5000
FVH (80°-90°)	239.5	1.5			G3/500
BL (0°-30°)	1416.2	8.8	B3/2500		
BM (30°-60°)	3805.1	23.6	B3/5000		
BH (60°-80°)	2526.9	15.7	B4/5000		G2/5000
BVH (80°-90°)	239.5	1.5			G3/500
UL (90°-100°)	92.5	0.6		U3/500	
UH (100°-180°)	55.3	0.3		U3/500	

**BUG Rating: B4-U3-G3**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3062	3062	3062	3062	3062
2.5°	3074	3072	3069	3068	3070
5°	3104	3088	3082	3085	3094
7.5°	3147	3127	3116	3131	3111
10°	3175	3149	3169	3157	3155
12.5°	3271	3238	3208	3200	3200
15°	3279	3291	3263	3227	3230
17.5°	3398	3374	3305	3296	3299
20°	3478	3426	3315	3356	3357
22.5°	3552	3529	3371	3367	3432
25°	3602	3560	3418	3412	3429
27.5°	3649	3560	3420	3425	3500
30°	3585	3565	3440	3502	3476
32.5°	3623	3487	3519	3499	3427
35°	3544	3447	3504	3414	3442
37.5°	3507	3442	3461	3444	3399
40°	3450	3439	3442	3372	3369
42.5°	3333	3355	3430	3343	3280
45°	3288	3302	3386	3277	3210
47.5°	3186	3225	3348	3228	3202
50°	3162	3138	3279	3199	3099
52.5°	3346	3137	3217	3156	3118
55°	3325	3255	3212	3147	3297
57.5°	3210	3237	3156	3288	3229
60°	3096	3150	3140	3226	3212
62.5°	2979	3050	3150	3229	3141
65°	2860	2938	3129	3097	2991
67.5°	2752	2824	3006	2982	2905
70°	2661	2710	2777	2833	2886
72.5°	2448	2511	2491	2588	2572
75°	1964	1982	2043	2074	2044
77.5°	1385	1418	1559	1443	1458
80°	837	907	1003	942	910
82.5°	564	597	647	609	620
85°	377	391	383	388	388
87.5°	235	237	221	227	233
90°	142	141	126	133	138
92.5°	106	97	81	91	99
95°	91	79	62	76	86
97.5°	86	73	55	72	84
100°	73	63	45	64	74
102.5°	63	51	34	54	64
105°	51	39	25	40	51
107.5°	38	29	17	30	40
110°	29	22	11	22	31



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	22	16	8	16	22
115°	16	11	5	11	16
117.5°	11	8	1	8	11
120°	8	6	0	6	8
122.5°	6	2	0	2	5
125°	1	0	0	1	2
127.5°	0	0	0	1	1
130°	0	0	0	0	1
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)