

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: HALO

Report Number: P395145

Luminaire Tested: **TGS2SCS2[F;M]SBLE40A[B;W]**

Test Date: 03/20/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395145  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-668-11)  
Test Lab: INNOVATIONS CENTER(G3)  
Test Date: 03/20/2020  
Issue Date: 05/04/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: TGS2SCS2[F;M]SBLE40A[B;W]  
Description: TWIN SQUARE HEAD LED FLOOD,RETAIL(120V) SELECTABLE CCT @ 4000K MAX OUTPUT  
Light Source: 70 CRI LEDs  
Ballast/Driver: (1) Electronic Driver

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3008.6 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.25' x H: 0')  
IES Classification: Type V - Short - Cutoff  
BUG Rating: B1 - U2 - G0

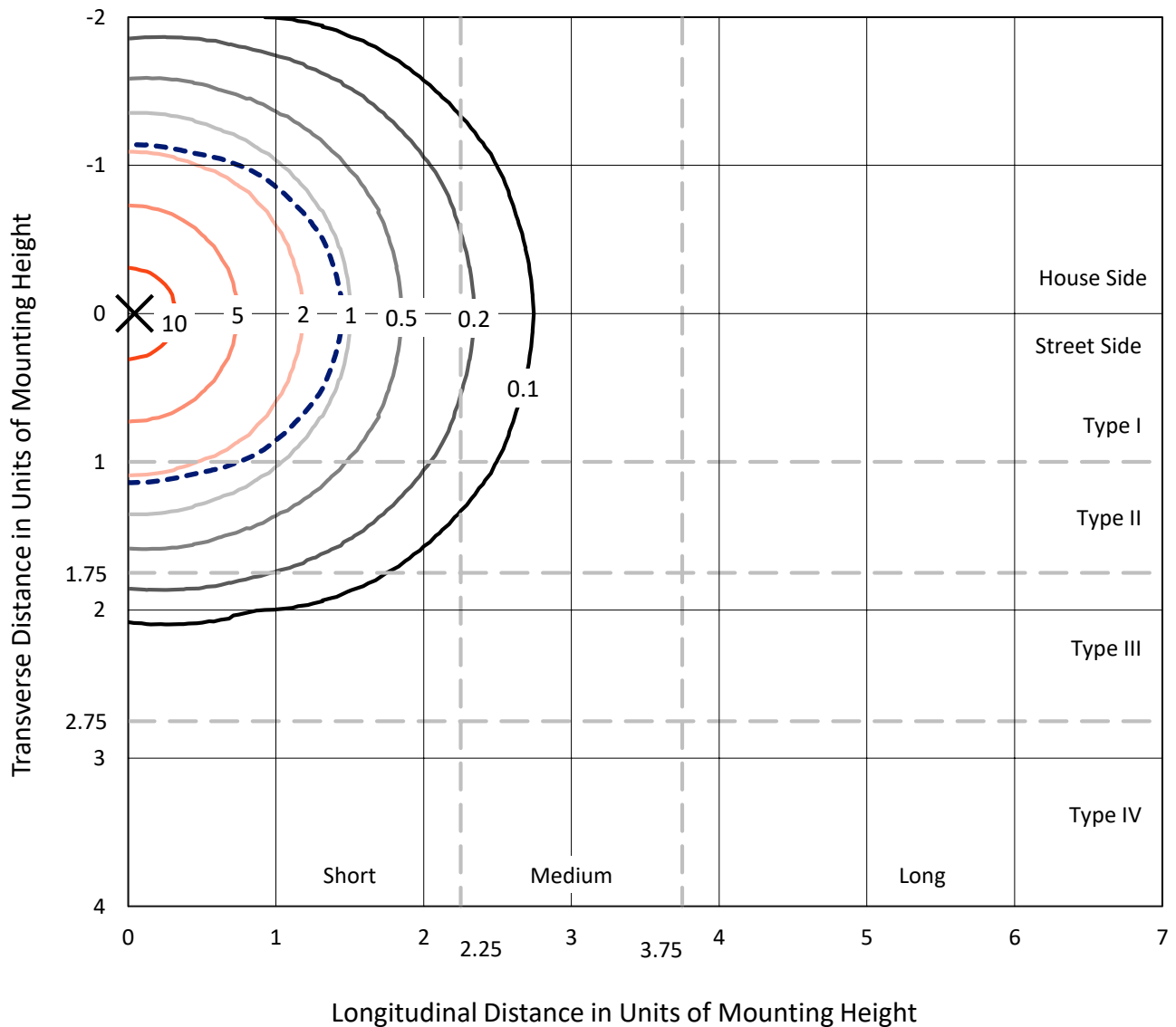
Input Watts (W): 24.6  
Input Voltage (V): 120.0  
Input Current (Ain): 0.205  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

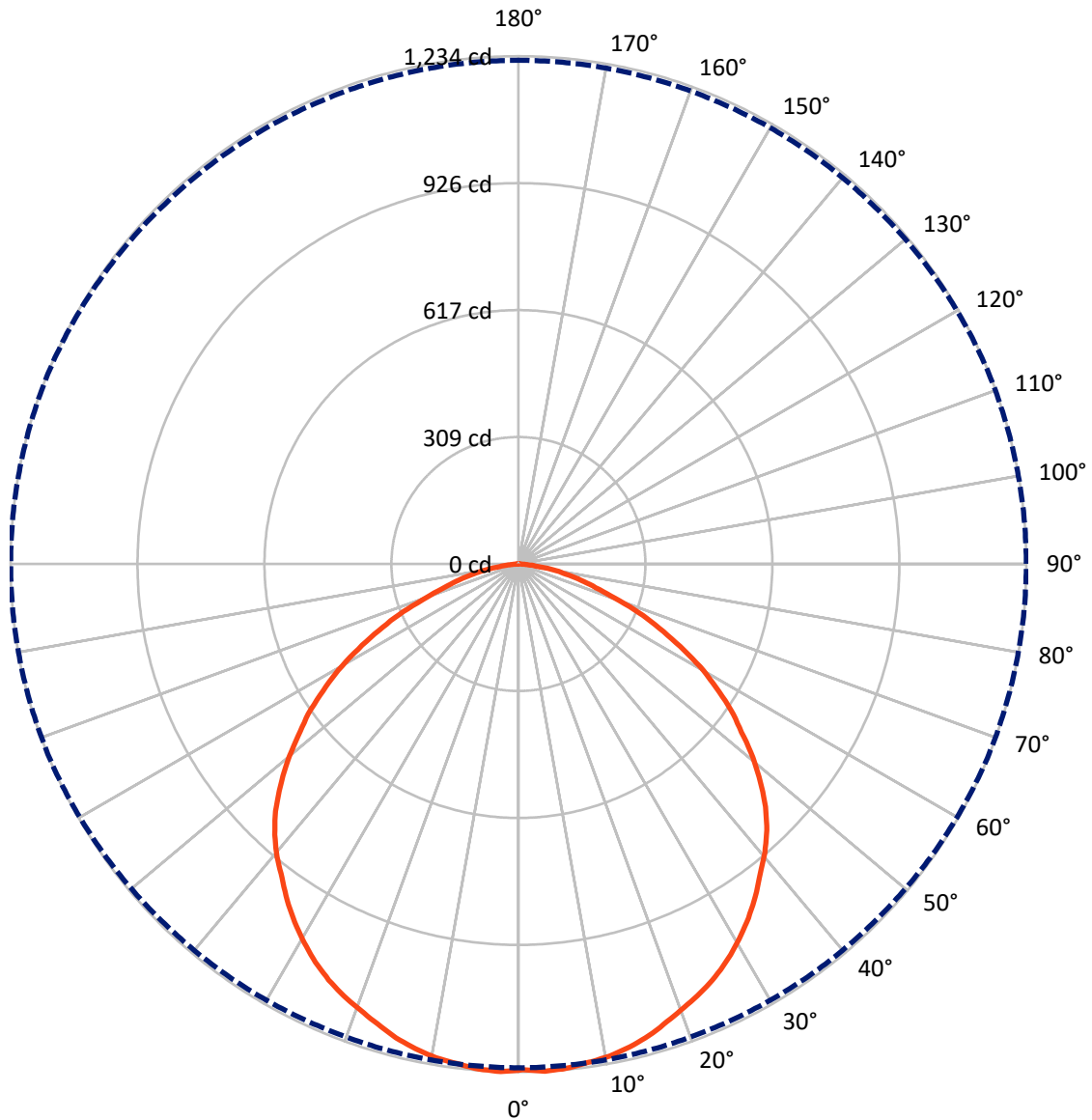
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc  
 Type V - Short - Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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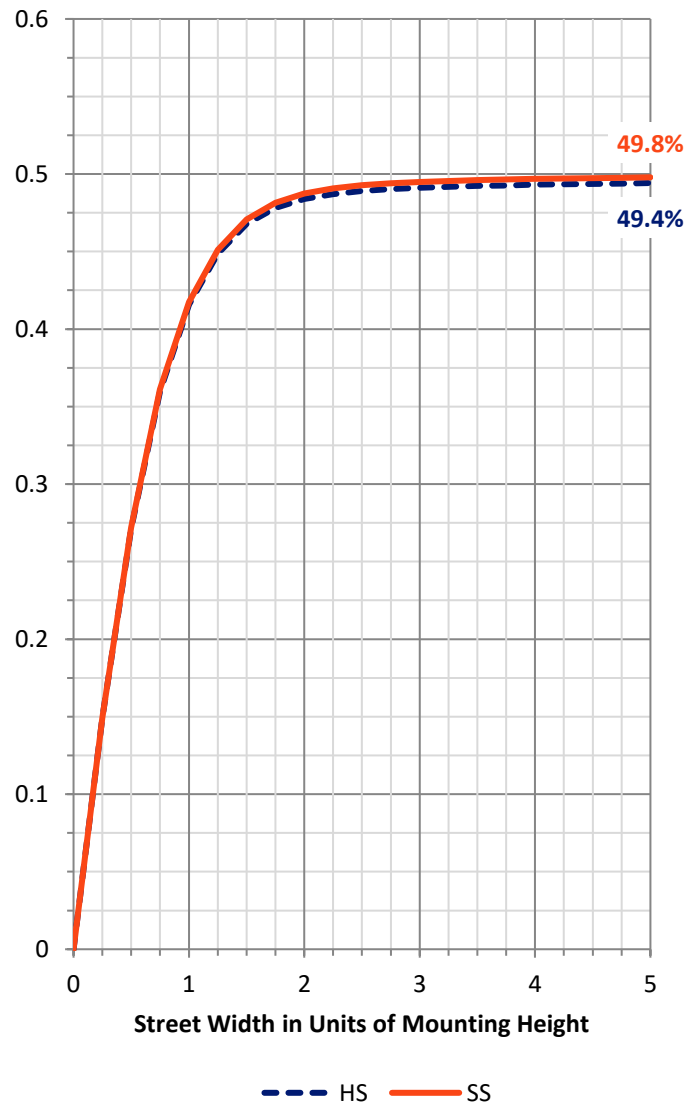
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1496.5	7.7	1504.3
	% Fixture	49.7	0.3	50.0
<b>Street Side</b>	Lumens	1496.5	7.7	1504.3
	% Fixture	49.7	0.3	50.0
<b>Total</b>	Lumens	2993.1	15.5	3008.6
	% Fixture	99.5	0.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.3	3.9
10°-20°	332.4	11.0
20°-30°	502.5	16.7
30°-40°	606.6	20.2
40°-50°	600.3	20.0
50°-60°	474.1	15.8
60°-70°	254.4	8.5
70°-80°	88.6	2.9
80°-90°	17.9	0.6
90°-100°	3.9	0.1
100°-110°	3.0	0.1
110°-120°	2.8	0.1
120°-130°	1.9	0.1
130°-140°	1.5	0.1
140°-150°	1.2	0.0
150°-160°	0.7	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	2993.1	99.5
0°-180°	3008.6	100.0

**Coefficient of Utilization**



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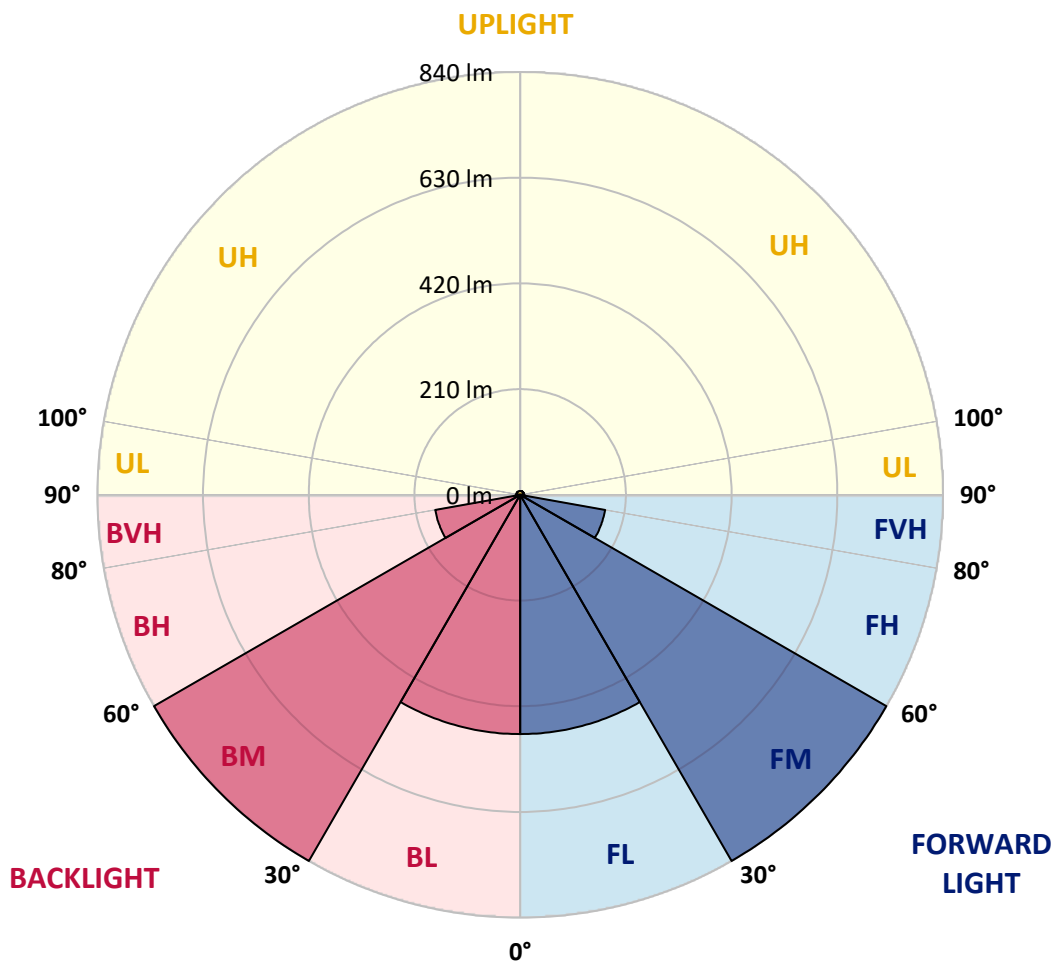
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	475.6	15.8			
FM (30°-60°)	840.5	27.9			
FH (60°-80°)	171.5	5.7			G0/660
FVH (80°-90°)	8.9	0.3			G0/10
BL (0°-30°)	475.6	15.8	B1/500		
BM (30°-60°)	840.5	27.9	B1/1000		
BH (60°-80°)	171.5	5.7	B1/500		G0/660
BVH (80°-90°)	8.9	0.3			G0/10
UL (90°-100°)	3.9	0.1		U1/10	
UH (100°-180°)	7.7	0.3		U1/10	

**BUG Rating: B1-U2-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1229	1229	1229	1229	1229
2.5°	1224	1223	1226	1233	1234
5°	1220	1219	1223	1229	1231
7.5°	1214	1212	1216	1222	1223
10°	1205	1202	1207	1214	1216
12.5°	1189	1189	1194	1202	1204
15°	1169	1168	1179	1188	1189
17.5°	1147	1149	1158	1168	1169
20°	1124	1126	1135	1149	1150
22.5°	1103	1100	1110	1128	1132
25°	1080	1076	1083	1104	1111
27.5°	1057	1056	1053	1077	1086
30°	1036	1028	1026	1045	1057
32.5°	1006	1004	994	1013	1026
35°	967	971	963	976	992
37.5°	921	927	930	937	954
40°	847	874	893	899	922
42.5°	763	805	854	857	885
45°	696	721	806	817	842
47.5°	655	657	745	773	791
50°	569	601	677	717	738
52.5°	505	538	611	661	679
55°	433	460	544	604	627
57.5°	327	388	467	549	566
60°	254	293	402	488	508
62.5°	152	219	332	420	441
65°	111	140	261	352	376
67.5°	78	98	201	289	316
70°	55	68	146	224	249
72.5°	37	48	96	173	196
75°	28	33	60	131	157
77.5°	21	23	39	92	117
80°	15	17	26	62	88
82.5°	9	12	16	37	46
85°	7	8	11	17	24
87.5°	6	6	8	9	9
90°	5	5	5	5	4
92.5°	5	5	4	3	2
95°	5	4	4	3	2
97.5°	4	4	3	2	1
100°	4	4	3	2	1
102.5°	4	4	3	2	1
105°	4	4	3	2	1
107.5°	4	4	3	2	1
110°	4	4	3	2	1



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)