

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: P395153

Luminaire Tested: **TGS3S301[F;D;M]S[R;C][B;W]**

Test Date: 03/18/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395153  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-668-1)  
Test Lab: INNOVATIONS CENTER(G3)  
Test Date: 03/18/2020  
Issue Date: 05/04/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: TGS3S301[F;D;M]S[R;C][B;W]  
Description: 3000K LARGE SINGLE HEAD LED FLOOD, SELECTABLE LUMEN  
Light Source: 3000K CCT, 70 CRI LEDs  
Ballast/Driver: (1) Electronic Driver

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3105 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Luminous Opening: Rectangular (W 0.25' x L: 0.5' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G0

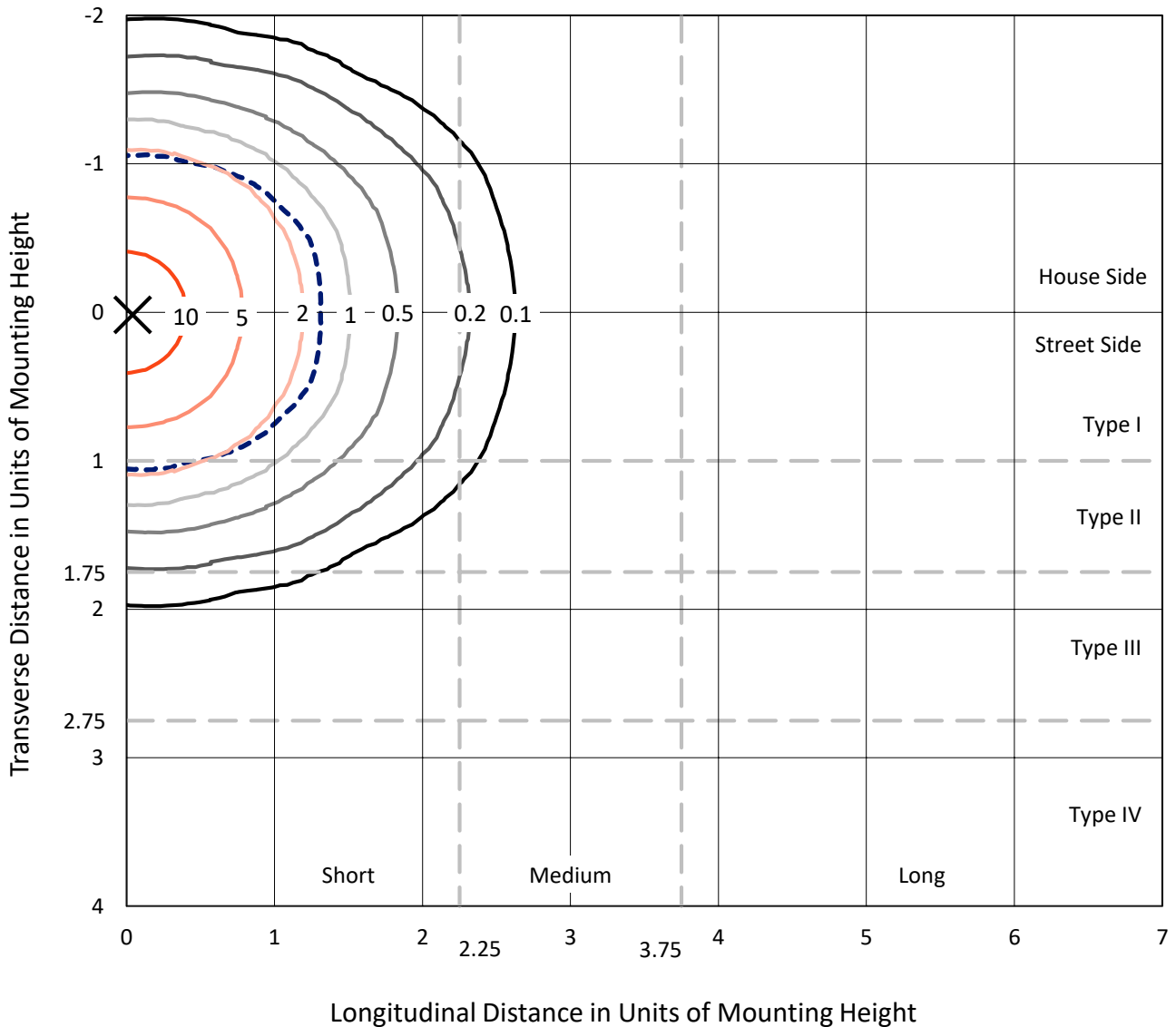
Input Watts (W): 26.7  
Input Voltage (V): 120.0  
Input Current (Ain): 0.223  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

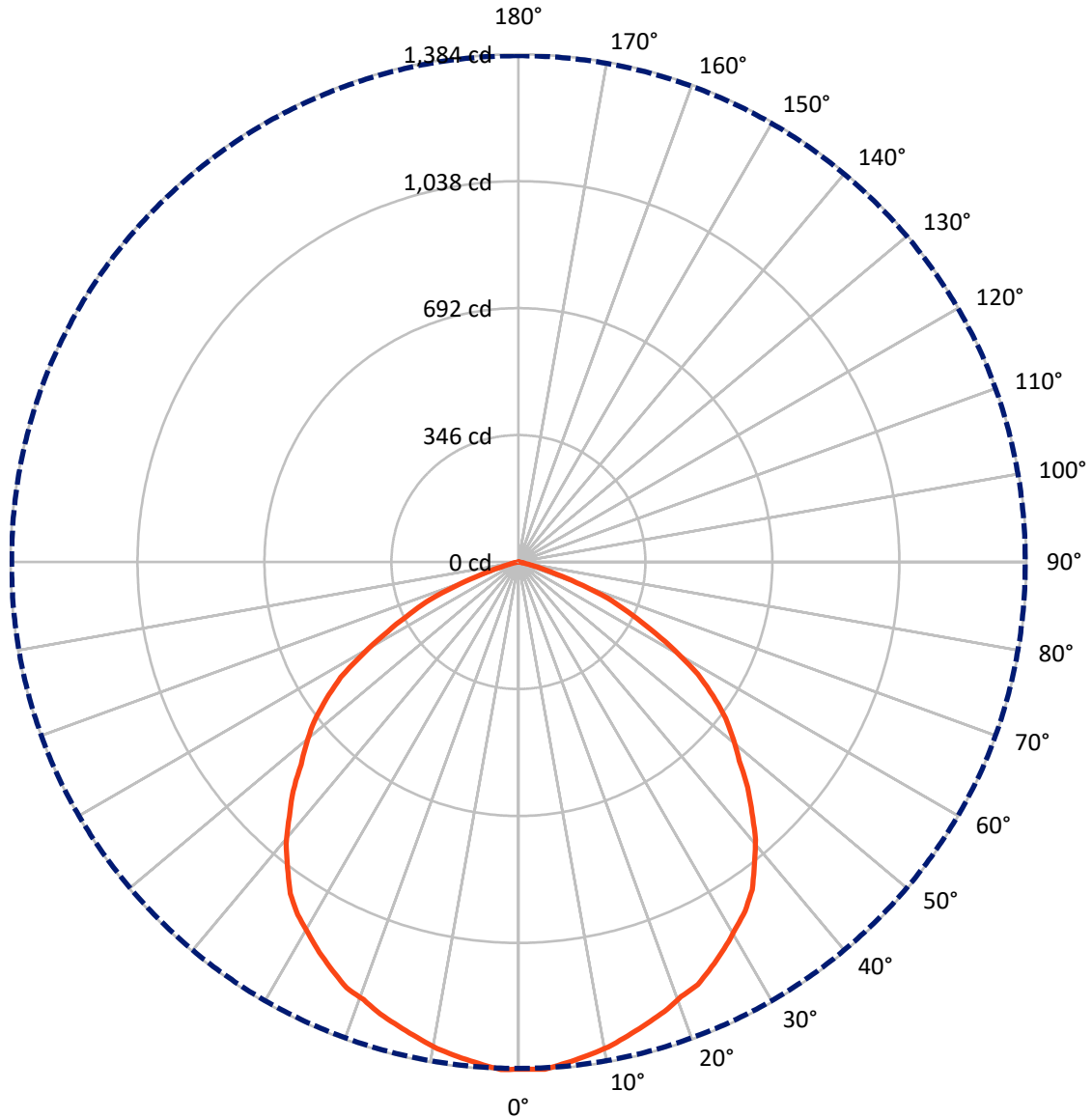
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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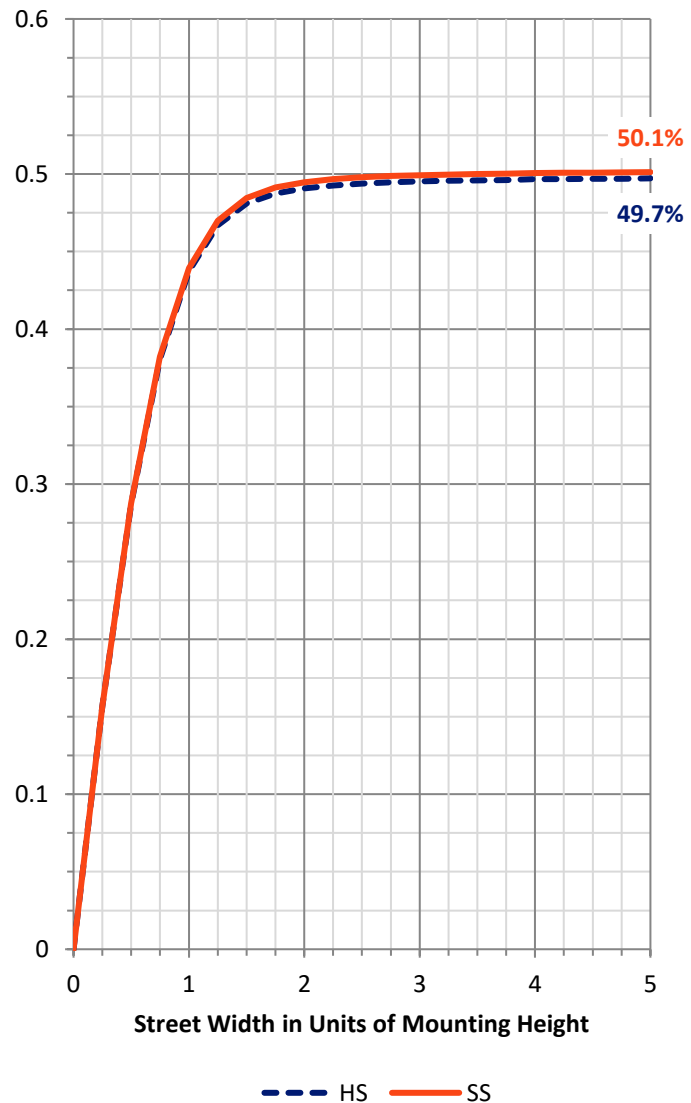
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1552.5	0.0	1552.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1552.5	0.0	1552.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3105.0	0.0	3105.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.1	4.2
10°-20°	370.1	11.9
20°-30°	566.0	18.2
30°-40°	682.0	22.0
40°-50°	643.8	20.7
50°-60°	451.4	14.5
60°-70°	210.0	6.8
70°-80°	47.2	1.5
80°-90°	4.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	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°	3105.0	100.0
0°-180°	3105.0	100.0



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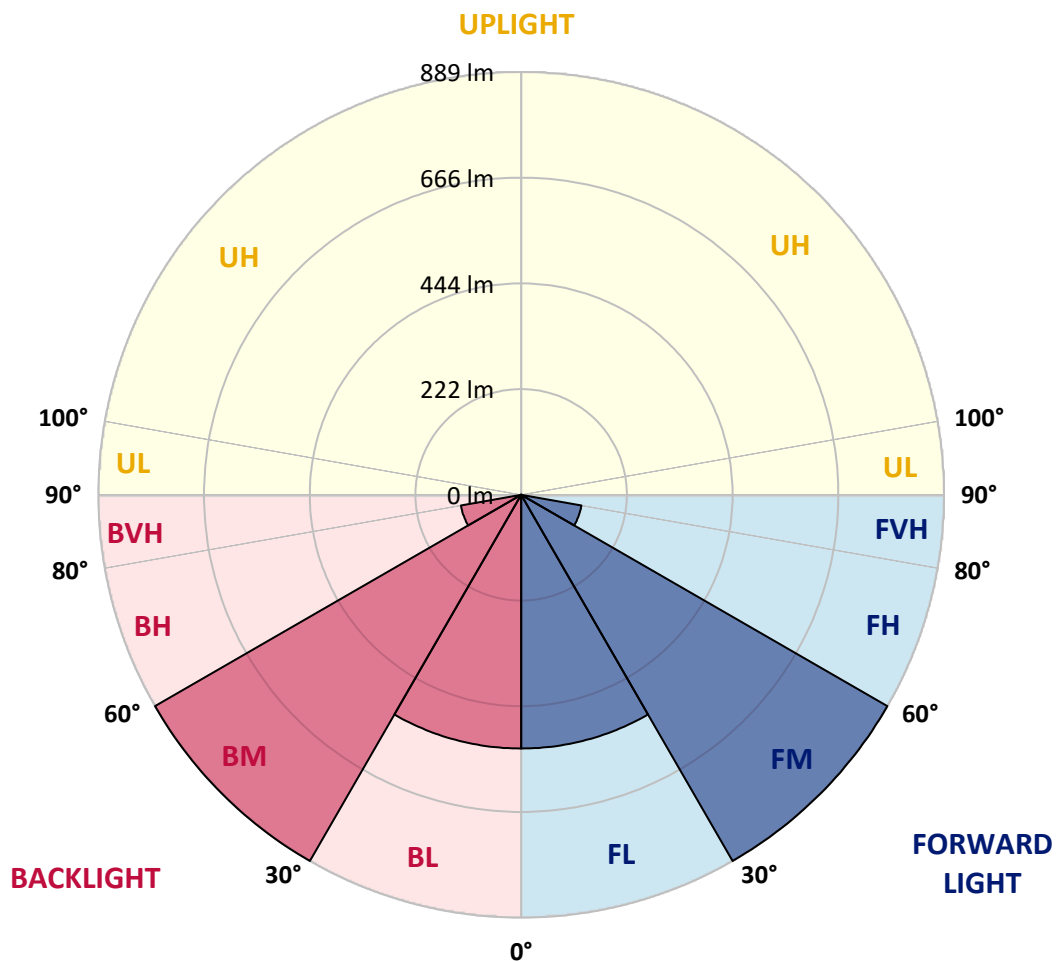
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.1	17.2			
FM	(30°-60°)	888.6	28.6			
FH	(60°-80°)	128.6	4.1			G0/660
FVH	(80°-90°)	2.2	0.1			G0/10
BL	(0°-30°)	533.1	17.2	B2/1000		
BM	(30°-60°)	888.6	28.6	B1/1000		
BH	(60°-80°)	128.6	4.1	B1/500		G0/660
BVH	(80°-90°)	2.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1382	1382	1382	1382	1382
2.5°	1380	1380	1381	1384	1381
5°	1371	1374	1371	1371	1370
7.5°	1360	1365	1358	1358	1354
10°	1346	1348	1346	1344	1346
12.5°	1332	1326	1327	1325	1321
15°	1324	1310	1310	1306	1310
17.5°	1300	1297	1288	1288	1289
20°	1282	1278	1268	1265	1272
22.5°	1261	1256	1248	1251	1254
25°	1241	1234	1223	1223	1225
27.5°	1211	1207	1197	1194	1197
30°	1184	1176	1176	1163	1157
32.5°	1143	1137	1141	1134	1134
35°	1094	1097	1104	1097	1088
37.5°	1013	1034	1064	1045	1034
40°	962	975	1023	995	971
42.5°	820	882	958	933	904
45°	761	799	891	876	846
47.5°	621	685	816	810	793
50°	571	612	703	759	745
52.5°	411	468	640	707	694
55°	306	375	526	643	642
57.5°	225	290	423	577	564
60°	147	187	338	490	489
62.5°	113	135	259	404	426
65°	88	97	170	327	392
67.5°	67	74	114	262	289
70°	49	54	80	168	192
72.5°	39	40	49	92	105
75°	31	31	33	43	42
77.5°	22	22	22	22	20
80°	13	13	13	12	10
82.5°	7	7	7	6	5
85°	2	4	2	2	2
87.5°	1	1	1	1	0
90°	0	0	0	0	0
92.5°	0	0	0	0	0
95°	0	0	0	0	0
97.5°	0	0	0	0	0
100°	0	0	0	0	0
102.5°	0	0	0	0	0
105°	0	0	0	0	0
107.5°	0	0	0	0	0
110°	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0	0	0	0	0
115°	0	0	0	0	0
117.5°	0	0	0	0	0
120°	0	0	0	0	0
122.5°	0	0	0	0	0
125°	0	0	0	0	0
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)