

Scaled data based on original data using  
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or  
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P10436

Luminaire Tested: **L505WW670**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-46-04  
Report Number: P10436  
Test Lab: PEACHTREE CITY  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L505WW670  
Description: STASIS T6 WALL WASH HID TRACK FIXTURE  
SOCKET AT 90° LATERAL.  
Light Source: BIPIN G12 BASE CLEAR T6 POWER BALL  
HID CERAMIC HID LAMP  
HCI-T 70 W/930 WDL 70 WATTS  
Ballast/Driver: -

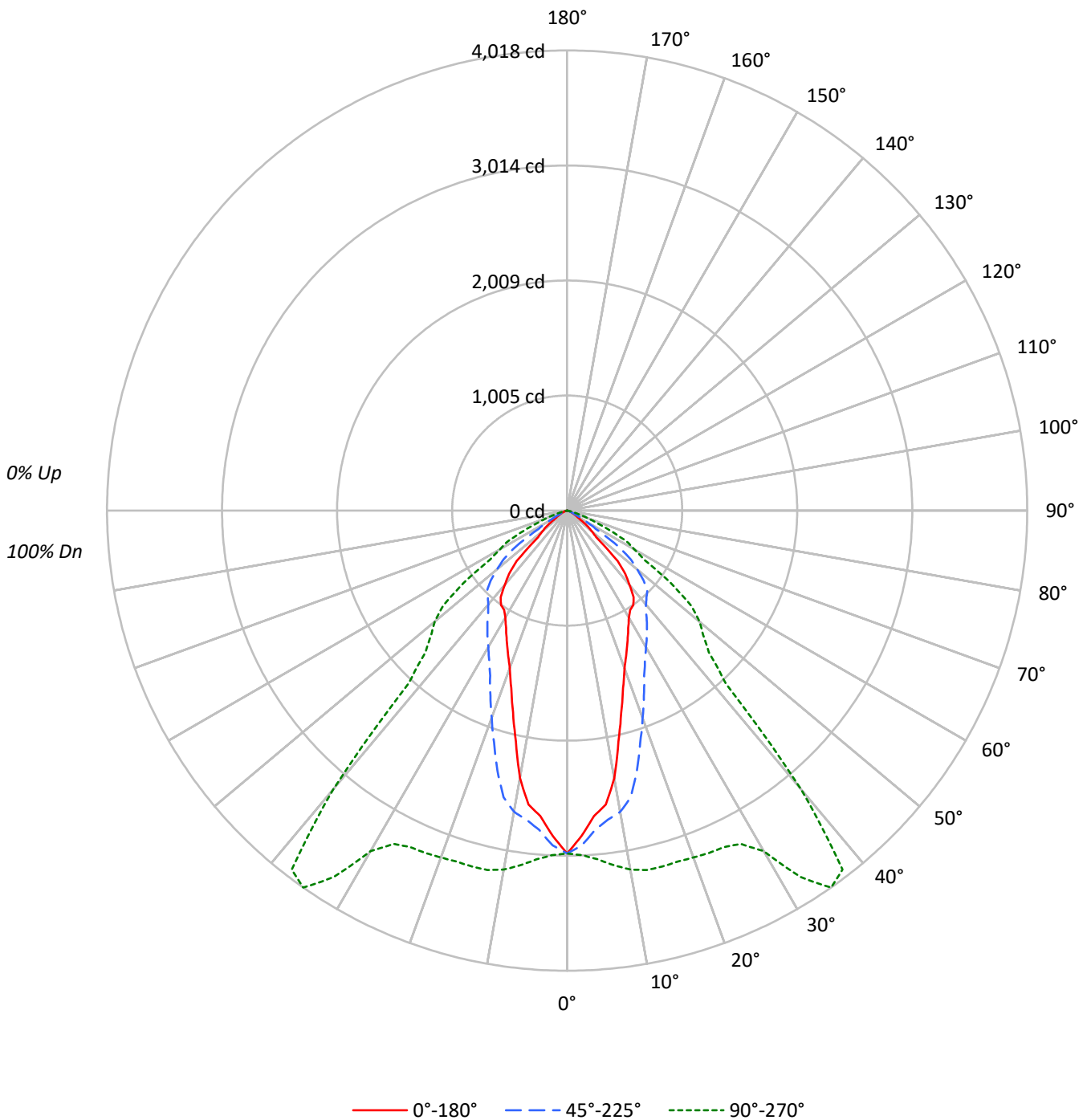
**Summary**

Lumens per Lamp: 5600 (1 lamp)  
Luminaire Lumens: 4287.3 lumens  
Efficiency: 76.6%  
Efficacy: 61.2 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 1.66 / 0.95  
Luminous Opening: Rectangular (W 0.38' x L: 0.54' x H: 0')  
CIE Type: Direct

Input Watts (W): 70  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
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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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	91	91	91	91	89	89	89	89	85	85	85	81	81	81	78	78	78	77
1	86	83	81	78	84	81	79	77	78	76	75	75	74	73	73	72	70	69
2	80	75	71	68	78	74	70	67	71	68	66	69	66	64	67	65	63	61
3	74	68	63	59	73	67	62	59	65	61	58	63	60	57	61	58	56	55
4	69	62	56	52	68	61	56	52	59	55	51	57	54	51	56	53	50	49
5	64	56	51	47	63	56	50	46	54	49	46	53	49	45	51	48	45	44
6	60	52	46	42	59	51	45	42	50	45	41	48	44	41	47	44	41	39
7	56	47	42	38	55	47	41	38	46	41	37	45	40	37	44	40	37	36
8	53	44	38	34	52	43	38	34	42	37	34	41	37	34	41	37	34	32
9	50	41	35	31	49	40	35	31	39	35	31	39	34	31	38	34	31	30
10	47	38	32	29	46	37	32	29	37	32	29	36	32	29	35	31	28	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	156569	156569	156569
5°	140579	146931	160422
10°	125903	141833	169021
15°	98750	127281	174165
20°	81472	107238	179361
25°	72010	91859	187065
30°	65094	83149	207239
35°	64286	77501	256507
40°	57821	73044	217016
45°	46000	73142	129496
50°	22942	64840	122847
55°	13585	50145	100745
60°	8890	19349	70597
65°	6682	8414	51352
70°	5046	5199	28745
75°	3435	3233	9698
80°	1205	1506	2710
85°	600	600	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	267.4	6.2	4.8
10°-20°	673.2	15.7	12.0
20°-30°	876.6	20.4	15.7
30°-40°	1040.1	24.3	18.6
40°-50°	797.3	18.6	14.2
50°-60°	442.3	10.3	7.9
60°-70°	157.7	3.7	2.8
70°-80°	31.2	0.7	0.6
80°-90°	1.5	0.0	0.0
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	1817.3	42.4	32.5
0°-40°	2857.4	66.6	51.0
0°-60°	4097.0	95.6	73.2
0°-90°	4287.3	100.0	76.6
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	4287.3	100.0	76.6

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2994	2994	2994	2994	2994	
5°	2678	2714	2799	2950	3056	249
15°	1824	1952	2351	2796	3217	514
25°	1248	1334	1592	2424	3242	576
35°	1007	1046	1214	2090	4018	618
45°	622	752	989	1238	1751	434
55°	149	206	550	727	1105	148
65°	54	60	68	265	415	55
75°	17	17	16	28	48	18
85°	1	1	1	0	0	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
0°	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994	2994
2.5°	2845	2852	2859	2875	2899	2925	2953	2980	2996	3009	3018
5°	2678	2686	2695	2720	2751	2799	2859	2933	3000	3052	3065
7.5°	2588	2598	2613	2640	2675	2722	2782	2882	3006	3110	3137
10°	2371	2383	2424	2503	2591	2671	2739	2836	2992	3156	3196
12.5°	2066	2076	2132	2233	2385	2564	2696	2795	2948	3169	3229
15°	1824	1834	1882	1975	2130	2351	2600	2762	2899	3155	3233
17.5°	1624	1632	1677	1771	1912	2123	2439	2711	2856	3129	3226
20°	1464	1471	1511	1592	1725	1927	2232	2614	2817	3115	3235
22.5°	1349	1357	1389	1456	1564	1751	2036	2476	2787	3103	3241
25°	1248	1256	1287	1350	1444	1592	1869	2312	2760	3085	3247
27.5°	1155	1164	1196	1263	1347	1472	1731	2162	2737	3098	3286
30°	1078	1086	1117	1175	1256	1377	1598	2027	2734	3222	3452
32.5°	1026	1034	1055	1103	1166	1295	1497	1924	2804	3509	3813
35°	1007	1013	1027	1052	1093	1214	1416	1847	2817	3667	4030
37.5°	953	965	1000	1031	1040	1134	1342	1763	2635	3567	3971
40°	847	859	909	978	1013	1070	1269	1639	2301	2948	3260
42.5°	751	759	795	875	959	1025	1188	1467	1682	1961	2104
45°	622	634	707	767	864	989	1112	1239	1235	1642	1809
47.5°	341	348	441	653	754	904	1031	938	1037	1484	1670
50°	282	283	290	367	659	797	926	792	907	1352	1574
52.5°	223	224	257	276	390	700	784	728	844	1202	1424
55°	149	151	171	218	263	550	659	703	799	995	1137
57.5°	111	112	121	144	204	295	579	620	590	721	798
60°	85	87	93	103	131	185	341	403	473	612	667
62.5°	68	69	73	79	90	113	131	332	413	543	581
65°	54	54	57	61	65	68	88	240	339	409	420
67.5°	43	43	45	46	48	48	62	135	264	277	276
70°	33	34	34	35	34	34	43	75	181	194	188
72.5°	24	25	25	25	24	24	30	43	92	101	100
75°	17	17	17	17	15	16	19	25	37	48	49
77.5°	10	10	11	10	9	9	11	13	18	24	24
80°	4	4	5	4	4	5	5	5	7	9	10
82.5°	2	2	2	2	1	2	2	1	1	2	2
85°	1	1	1	1	1	1	0	0	0	0	0
87.5°	1	1	1	1	1	1	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	90°
0°	2994
2.5°	3011
5°	3056
7.5°	3123
10°	3183
12.5°	3214
15°	3217
17.5°	3213
20°	3223
22.5°	3236
25°	3242
27.5°	3280
30°	3432
32.5°	3794
35°	4018
37.5°	3950
40°	3179
42.5°	2049
45°	1751
47.5°	1610
50°	1510
52.5°	1364
55°	1105
57.5°	798
60°	675
62.5°	591
65°	415
67.5°	275
70°	188
72.5°	98
75°	48
77.5°	24
80°	9
82.5°	2
85°	0
87.5°	0
90°	0

(END OF REPORT)