

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: P10507

Luminaire Tested: **L505WW670**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: P10507
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
FLAT GLASS LENS, AND LOUVER,
SOCKET AT 90° LATERAL.
Light Source: BIPIN G12 BASE CLEAR T6 POWER BALL
HID CERAMIC HID LAMP
70 WATTS
Ballast/Driver: -

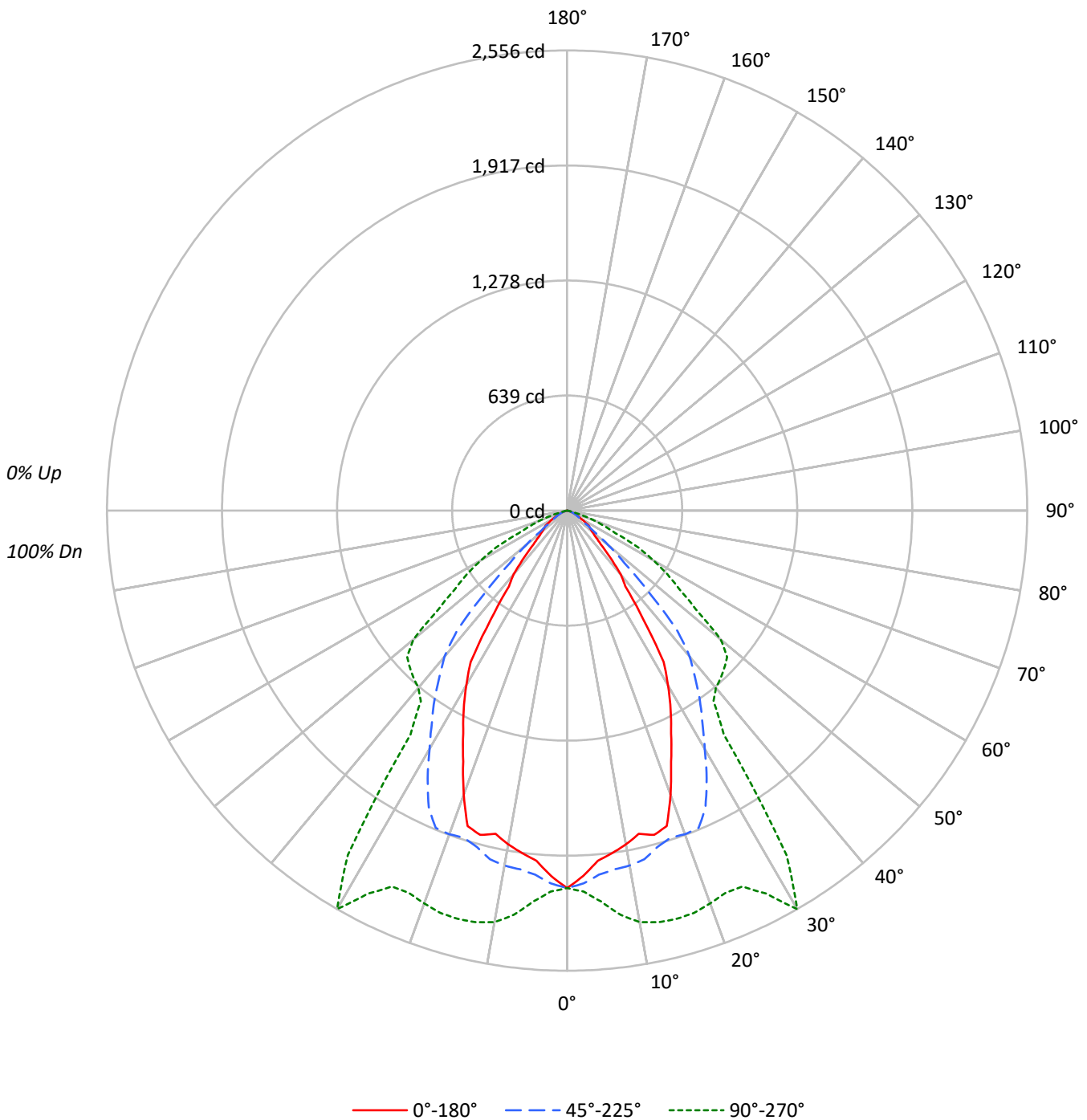
Summary

Lumens per Lamp: 5600 (1 lamp)
Luminaire Lumens: 3257.5 lumens
Efficiency: 58.2%
Efficacy: 46.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 1.35 / 1.14
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (Ain): 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	69	69	69	69	68	68	68	68	65	65	65	62	62	62	59	59	59	58
1	65	63	62	60	64	62	60	59	60	58	57	57	56	55	55	55	54	53
2	61	58	55	52	60	57	54	52	55	52	51	53	51	49	51	50	48	47
3	57	52	49	46	56	52	48	46	50	47	45	49	46	44	47	45	43	42
4	53	48	44	41	52	47	44	41	46	43	40	45	42	40	43	41	39	38
5	50	44	40	37	49	43	39	37	42	39	36	41	38	36	40	38	36	34
6	47	40	36	33	46	40	36	33	39	35	33	38	35	33	37	34	32	31
7	44	37	33	30	43	37	33	30	36	32	30	35	32	30	35	32	29	29
8	41	35	30	28	40	34	30	27	33	30	27	33	30	27	32	29	27	26
9	39	32	28	25	38	32	28	25	31	28	25	31	27	25	30	27	25	24
10	37	30	26	23	36	30	26	23	29	26	23	29	25	23	28	25	23	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11286	11286	11286
5°	10551	10967	11783
10°	10285	10941	12684
15°	10391	10781	13083
20°	9616	10956	13299
25°	8118	10796	13682
30°	6967	9502	15884
35°	4855	8443	9967
40°	3253	7440	9028
45°	2009	4909	9400
50°	1507	2503	9327
55°	1379	1107	7159
60°	958	797	5963
65°	700	624	3769
70°	456	456	2439
75°	250	291	853
80°	62	124	248
85°	62	62	62



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	195.7	6.0	3.5
10°-20°	565.0	17.3	10.1
20°-30°	816.2	25.1	14.6
30°-40°	791.5	24.3	14.1
40°-50°	508.9	15.6	9.1
50°-60°	254.9	7.8	4.6
60°-70°	101.5	3.1	1.8
70°-80°	22.4	0.7	0.4
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°	1576.9	48.4	28.2
0°-40°	2368.3	72.7	42.3
0°-60°	3132.2	96.2	55.9
0°-90°	3257.5	100.0	58.2
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°	3257.5	100.0	58.2

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2097	2097	2097	2097	2097	
5°	1953	1975	2030	2121	2181	185
15°	1865	1874	1935	2091	2348	517
25°	1367	1480	1818	1930	2304	631
35°	739	983	1285	1820	1517	471
45°	264	331	645	890	1235	219
55°	147	147	118	327	763	124
65°	55	57	49	104	296	55
75°	12	13	14	18	41	14
85°	1	1	1	1	1	1
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2097	2097	2097	2097	2097
2.5°	2032	2046	2073	2103	2118
5°	1953	1975	2030	2121	2181
7.5°	1919	1945	2010	2136	2264
10°	1882	1922	2002	2132	2321
12.5°	1839	1873	1983	2115	2342
15°	1865	1874	1935	2091	2348
17.5°	1838	1891	1905	2061	2343
20°	1679	1796	1913	2021	2322
22.5°	1509	1635	1908	1979	2298
25°	1367	1480	1818	1930	2304
27.5°	1244	1355	1678	1902	2399
30°	1121	1230	1529	1908	2556
32.5°	997	1117	1398	1940	2267
35°	739	983	1285	1820	1517
37.5°	531	705	1166	1306	1335
40°	463	526	1059	1052	1285
42.5°	351	448	908	961	1262
45°	264	331	645	890	1235
47.5°	208	246	433	804	1205
50°	180	197	299	708	1114
52.5°	160	167	176	543	900
55°	147	147	118	327	763
57.5°	116	129	91	250	660
60°	89	98	74	194	554
62.5°	70	75	60	146	446
65°	55	57	49	104	296
67.5°	41	43	38	71	219
70°	29	30	29	46	155
72.5°	20	20	21	29	93
75°	12	13	14	18	41
77.5°	5	6	8	10	20
80°	2	3	4	5	8
82.5°	1	2	2	2	3
85°	1	1	1	1	1
87.5°	0	1	0	0	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)