

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: P10834

Luminaire Tested: **L505T639**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-46-04  
Report Number: P10834  
Test Lab: PEACHTREE CITY  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L505T639  
Description: STASIS ADJUSTABLE BEAM HID TRACK FIXTURE FLOOD  
Light Source: BI PIN T6 CLEAR CERAMIC METAL HALIDE LAMP  
CMH35/T6/830 35 WATTS  
Ballast/Driver: -

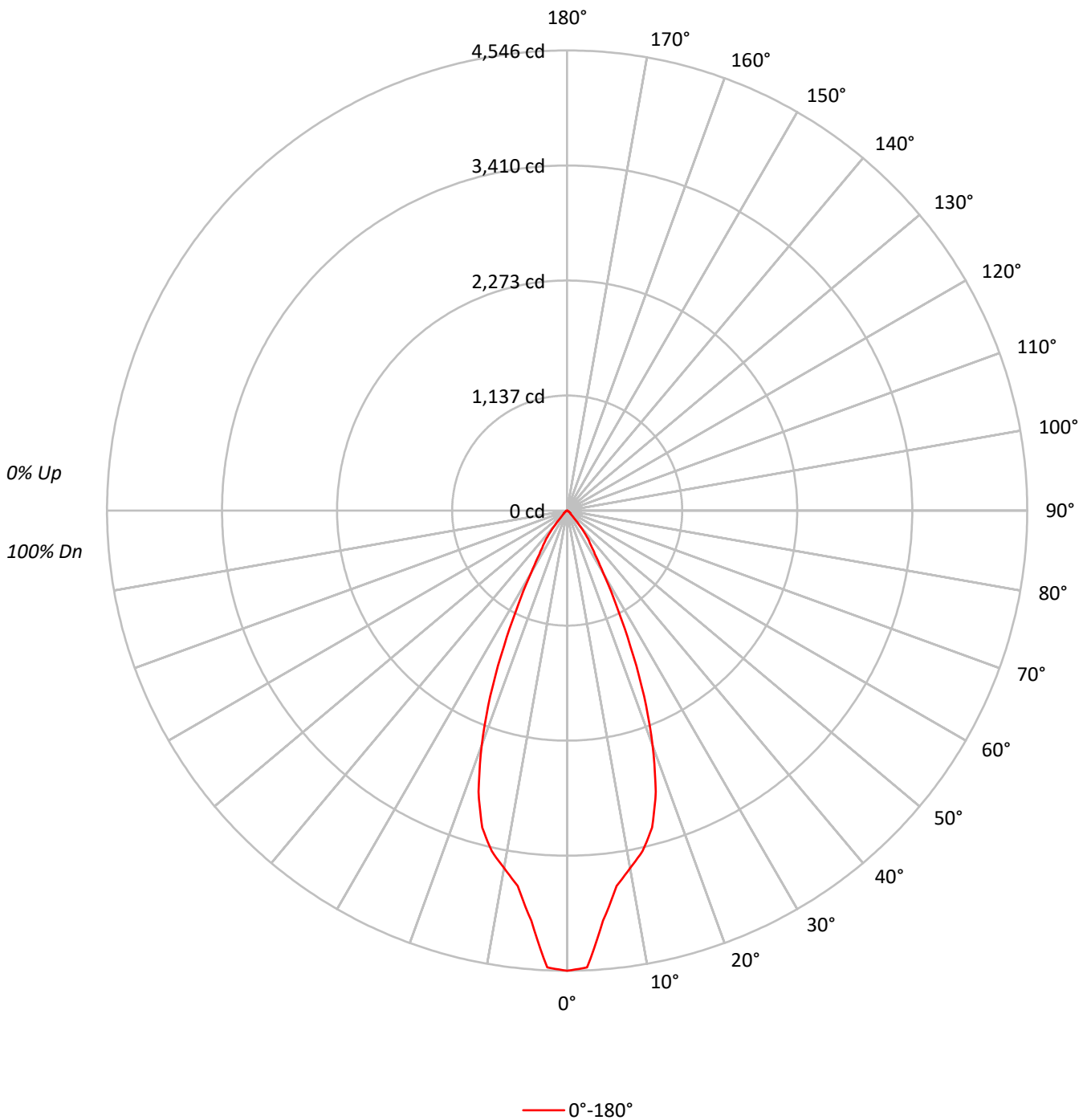
**Summary**

Lumens per Lamp: 3300 (1 lamp)  
Luminaire Lumens: 2280.8 lumens  
Efficiency: 69.1%  
Efficacy: 65.2 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.65  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 35  
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	50	30	10	50	30	10	50	30	10	0														
RCR																																									
0	82	82	82	82	80	80	80	80	77	77	77	74	74	74	71	71	71	69	69	69	68	67	67	65	65	65	62	62	62												
1	79	77	76	74	77	76	74	73	73	72	71	70	69	69	68	67	67	65	65	65	62	62	62	62	61	61	61	58	58	58											
2	75	72	70	68	74	71	69	67	69	67	66	67	66	64	65	64	63	62	62	62	61	61	61	62	61	61	59	59	59												
3	72	68	65	63	71	67	65	62	66	63	61	64	62	60	62	61	59	58	58	58	57	57	57	55	55	55	53	53	53												
4	69	65	61	59	68	64	61	58	62	60	58	61	59	57	60	58	56	55	55	55	54	54	54	52	52	52	50	50	50												
5	66	61	58	55	65	61	57	55	59	56	54	58	56	54	57	55	53	52	52	52	51	51	51	50	50	50	48	48	48												
6	63	58	54	52	63	58	54	52	57	54	51	56	53	51	55	52	51	50	50	50	49	49	49	47	47	47	45	45	45												
7	61	55	52	49	60	55	51	49	54	51	49	53	50	48	52	50	48	47	47	47	46	46	46	44	44	44	43	43	43												
8	58	53	49	47	58	52	49	46	52	48	46	51	48	46	50	48	46	45	45	45	44	44	44	43	43	43	41	41	41												
9	56	50	47	44	55	50	47	44	49	46	44	49	46	44	48	46	44	43	43	43	42	42	42	41	41	41	40	40	40												
10	54	48	45	42	53	48	44	42	47	44	42	47	44	42	46	44	42	41	41	41	40	40	40	39	39	39	38	38	38												

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

	0°
0°	347966
5°	312414
10°	278564
15°	256987
20°	201114
25°	124573
30°	62842
35°	36816
40°	18885
45°	6603
50°	4644
55°	2669
60°	1684
65°	1449
70°	1343
75°	1183
80°	1322
85°	1756



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	373.3	16.4	11.3
10°-20°	879.1	38.5	26.6
20°-30°	679.4	29.8	20.6
30°-40°	254.7	11.2	7.7
40°-50°	60.4	2.6	1.8
50°-60°	19.5	0.9	0.6
60°-70°	8.0	0.4	0.2
70°-80°	4.6	0.2	0.1
80°-90°	1.8	0.1	0.1
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°	1931.8	84.7	58.5
0°-40°	2186.5	95.9	66.3
0°-60°	2266.4	99.4	68.7
0°-90°	2280.8	100.0	69.1
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°	2280.8	100.0	69.1

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4546	
5°	4066	373
15°	3243	879
25°	1475	679
35°	394	255
45°	61	60
55°	20	19
65°	8	8
75°	4	5
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4546
2.5°	4517
5°	4066
7.5°	3741
10°	3584
12.5°	3446
15°	3243
17.5°	2912
20°	2469
22.5°	1985
25°	1475
27.5°	1034
30°	711
32.5°	508
35°	394
37.5°	307
40°	189
42.5°	97
45°	61
47.5°	47
50°	39
52.5°	29
55°	20
57.5°	14
60°	11
62.5°	9
65°	8
67.5°	7
70°	6
72.5°	5
75°	4
77.5°	4
80°	3
82.5°	2
85°	2
87.5°	1
90°	0

(END OF REPORT)