

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: BALLABS TEST NO. 12127.0

Luminaire Tested: **L530070E**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-46-04  
Report Number: BALLABS TEST NO. 12127.0  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L530070E  
Description: 1/70W PHILIPS CLEAR T4.5 BIPIN MINI MH 6.6"DIA TRACK LIGHT  
Light Source: -  
CMH70TCU830G8.5  
Ballast/Driver: -

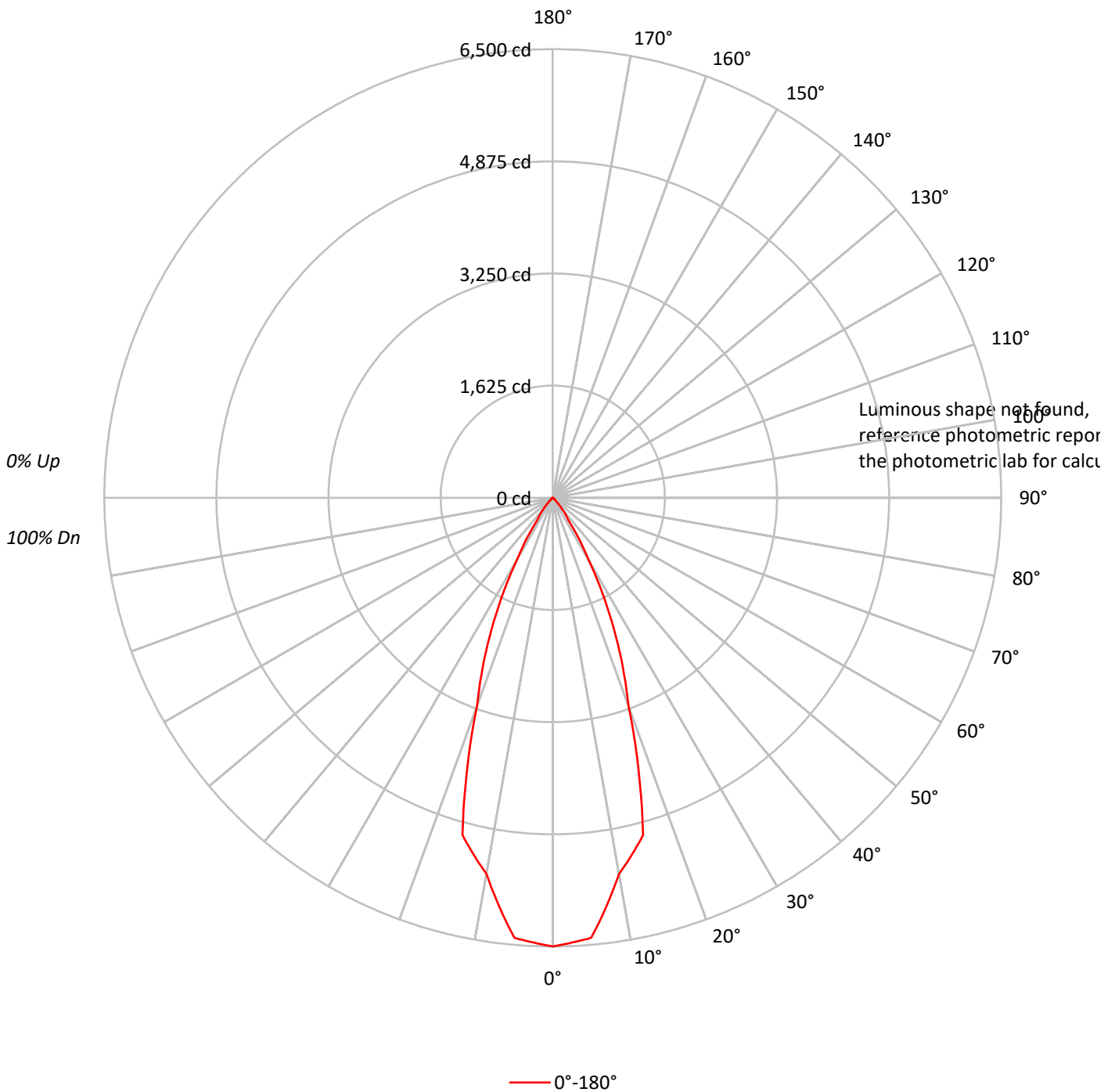
**Summary**

Lumens per Lamp: 6200 (1 lamp)  
Luminaire Lumens: 3252.0 lumens  
Efficiency: 52.5%  
Efficacy: 46.5 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.65  
Luminous Opening: (L: 0.36 ' x W: 0 ' 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



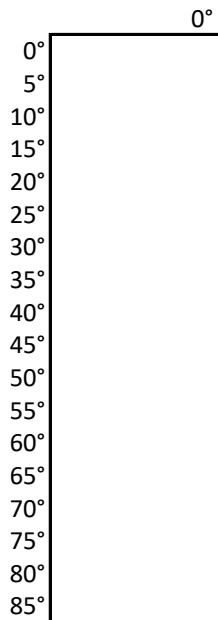


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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	62	62	62	62	61	61	61	61	58	58	58	56	56	56	54	54	54	52	52	52	52
1	60	59	57	56	59	57	56	56	55	55	54	53	53	52	52	51	51	50	50	50	50
2	57	55	53	52	56	54	53	51	53	51	50	51	50	49	50	49	48	47	47	47	47
3	55	52	50	48	54	51	49	48	50	48	47	49	47	46	48	47	46	45	45	45	45
4	53	49	47	45	52	49	47	45	48	46	44	47	45	44	46	44	43	42	42	42	42
5	51	47	44	42	50	46	44	42	46	43	42	45	43	41	44	42	41	40	40	40	40
6	49	45	42	40	48	44	42	40	44	41	40	43	41	39	42	40	39	38	38	38	38
7	47	43	40	38	46	42	40	38	42	39	38	41	39	38	40	39	37	37	37	37	37
8	45	41	38	36	44	40	38	36	40	38	36	39	37	36	39	37	36	35	35	35	35
9	43	39	36	35	43	39	36	34	38	36	34	38	36	34	37	36	34	34	34	34	34
10	42	37	35	33	41	37	35	33	37	34	33	36	34	33	36	34	33	32	32	32	32

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	581.1	17.9	9.4
10°-20°	1309.6	40.3	21.1
20°-30°	950.5	29.2	15.3
30°-40°	308.5	9.5	5.0
40°-50°	61.2	1.9	1.0
50°-60°	19.5	0.6	0.3
60°-70°	17.1	0.5	0.3
70°-80°	4.4	0.1	0.1
80°-90°	0.0	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°	2841.2	87.4	45.8
0°-40°	3149.7	96.9	50.8
0°-60°	3230.4	99.3	52.1
0°-90°	3252.0	100.0	52.5
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°	3252.0	100.0	52.5

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6500	
5°	6399	581
15°	5058	1310
25°	2088	951
35°	390	308
45°	47	61
55°	21	19
65°	17	17
75°	0	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6500
5°	6399
10°	5534
15°	5058
20°	3209
25°	2088
30°	1033
35°	390
40°	203
45°	47
50°	27
55°	21
60°	18
65°	17
70°	17
75°	0
80°	0
85°	0
90°	0

(END OF REPORT)