

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. 12126.0

Luminaire Tested: **L530070E**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: BALLABS TEST NO. 12126.0
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 6.5"DIA TRACK LIGHT
Light Source: -
CMH70TCU830G8.5
Ballast/Driver: -

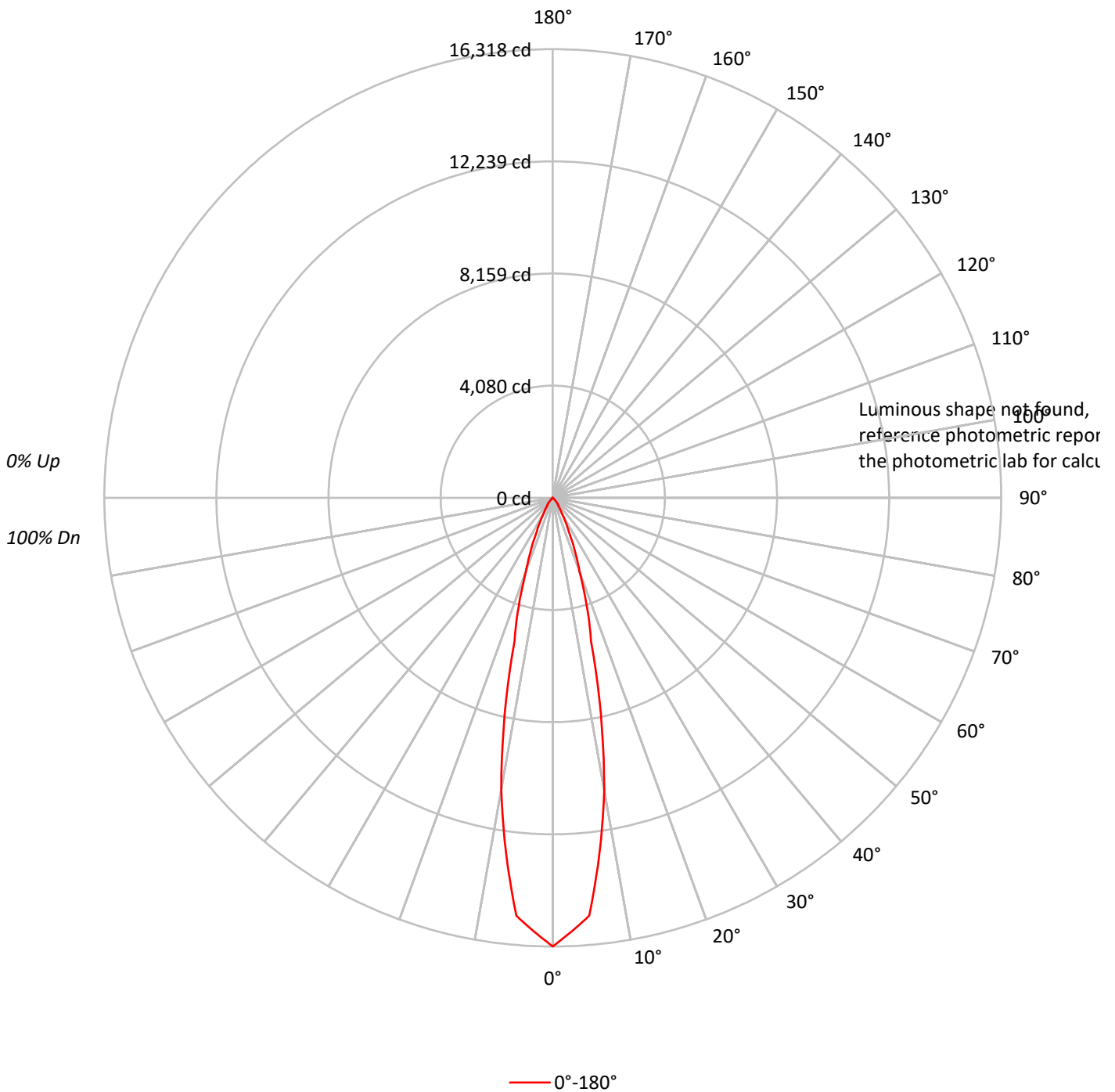
Summary

Lumens per Lamp: 6200 (1 lamp)
Luminaire Lumens: 4020.5 lumens
Efficiency: 64.8%
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.42
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



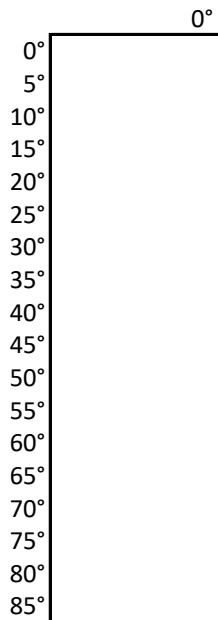


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	77	77	77	77	75	75	75	75	72	72	72		69	69	69		66	66	66	65
1	74	73	72	71	73	72	70	69	69	68	67		67	66	65		64	64	63	62
2	72	69	67	66	70	68	66	65	66	65	63		64	63	62		63	62	61	60
3	69	66	64	62	68	65	63	61	64	62	60		62	61	59		61	60	58	58
4	67	63	61	59	66	63	60	58	61	59	58		60	58	57		59	58	56	55
5	65	61	58	56	64	60	58	56	59	57	55		58	56	55		57	56	54	54
6	63	58	56	54	62	58	55	53	57	55	53		56	54	53		56	54	52	52
7	61	56	54	52	60	56	53	51	55	53	51		55	52	51		54	52	51	50
8	59	54	52	50	58	54	51	50	54	51	49		53	51	49		52	50	49	48
9	57	53	50	48	57	52	50	48	52	50	48		51	49	48		51	49	48	47
10	56	51	48	47	55	51	48	46	50	48	46		50	48	46		50	48	46	46

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	1309.1	32.6	21.1
10°-20°	1637.8	40.7	26.4
20°-30°	715.9	17.8	11.5
30°-40°	258.4	6.4	4.2
40°-50°	74.6	1.9	1.2
50°-60°	12.7	0.3	0.2
60°-70°	9.4	0.2	0.2
70°-80°	2.6	0.1	0.0
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°	3662.8	91.1	59.1
0°-40°	3921.1	97.5	63.2
0°-60°	4008.5	99.7	64.7
0°-90°	4020.5	100.0	64.8
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°	4020.5	100.0	64.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	16318	
5°	15252	###
15°	5382	1638
25°	1425	716
35°	362	258
45°	59	75
55°	14	13
65°	9	9
75°	0	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16318
5°	15252
10°	10791
15°	5382
20°	2850
25°	1425
30°	689
35°	362
40°	259
45°	59
50°	19
55°	14
60°	10
65°	9
70°	10
75°	0
80°	0
85°	0
90°	0

(END OF REPORT)