

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. 12125.0

Luminaire Tested: **L530070E**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: BALLABS TEST NO. 12125.0
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: -

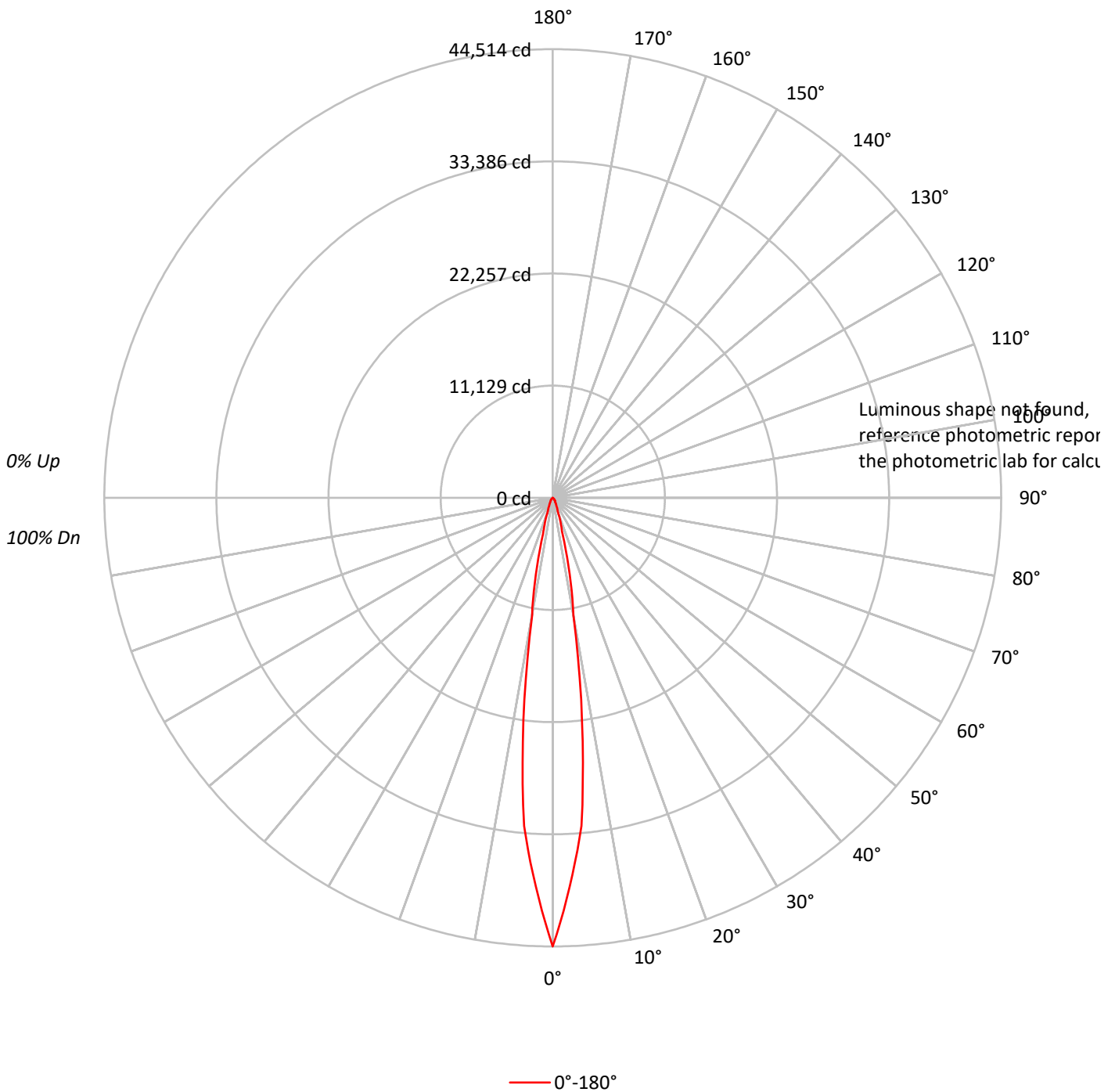
Summary

Lumens per Lamp: 6200 (1 lamp)
Luminaire Lumens: 4638.0 lumens
Efficiency: 74.8%
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.26 / 0.26 / 0.25
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



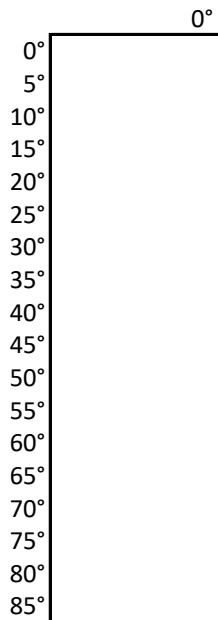


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	89	89	89	89	87	87	87	87	83	83	83		80	80	80		76	76	76	75
1	86	85	84	82	85	83	82	81	80	79	79		78	77	76		75	75	74	73
2	84	81	79	77	82	80	78	77	78	76	75		76	74	73		74	73	72	71
3	81	78	76	74	80	77	75	73	75	74	72		74	72	71		72	71	70	69
4	79	76	73	71	78	75	72	70	73	71	70		72	70	69		71	69	68	67
5	77	73	71	68	76	73	70	68	72	69	68		70	69	67		69	68	67	66
6	75	71	68	66	75	71	68	66	70	68	66		69	67	65		68	66	65	64
7	74	69	67	65	73	69	66	65	68	66	64		67	65	64		67	65	64	63
8	72	68	65	63	71	67	65	63	67	64	63		66	64	63		66	64	62	62
9	71	66	64	62	70	66	63	62	65	63	62		65	63	61		64	63	61	61
10	69	65	62	61	69	65	62	61	64	62	60		64	62	60		63	61	60	60

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	2517.2	54.3	40.6
10°-20°	1344.5	29.0	21.7
20°-30°	412.3	8.9	6.6
30°-40°	236.9	5.1	3.8
40°-50°	101.9	2.2	1.6
50°-60°	13.2	0.3	0.2
60°-70°	8.7	0.2	0.1
70°-80°	3.4	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°	4274.0	92.2	68.9
0°-40°	4510.9	97.3	72.8
0°-60°	4625.9	99.7	74.6
0°-90°	4638.0	100.0	74.8
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°	4638.0	100.0	74.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	44514	
5°	32693	###
15°	3657	1345
25°	829	412
35°	346	237
45°	102	102
55°	14	13
65°	8	9
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	44514
5°	32693
10°	11872
15°	3657
20°	1480
25°	829
30°	515
35°	346
40°	314
45°	102
50°	21
55°	14
60°	10
65°	8
70°	9
75°	2
80°	0
85°	0
90°	0

(END OF REPORT)