

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: 11877.0

Luminaire Tested: **H2600-E70**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: 11877.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2600-E70
Description: 1/70W CLEAR E17 PULSE MH 12"DIA CHORUS PENDANT LUMIAIRE
Light Source: -
M98 MXR70/C/U/MED/0
Ballast/Driver: -

Summary

Lumens per Lamp: 5500 (1 lamp)
Luminaire Lumens: 4974.3 lumens
Efficiency: 90.4%
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 2.02 / 2.02 / 1.87
Luminous Opening: (L: 1.04 ' x W: 0 ' x H: 0.6 '
CIE Type: General Diffuse

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	99	99	99	99	92	92	92	92	80	80	80	69	69	69	58	58	58	53
1	85	79	73	68	78	73	68	63	62	58	54	52	49	46	43	41	38	34
2	75	66	58	52	69	61	54	48	52	46	41	43	39	35	35	32	29	24
3	68	56	48	41	62	52	44	38	44	38	33	36	32	27	29	26	22	19
4	61	49	40	33	56	45	37	31	38	32	27	32	26	22	26	21	18	15
5	56	43	34	28	51	40	32	26	34	27	22	28	23	18	23	18	15	12
6	51	38	30	23	47	35	28	22	30	24	19	25	20	16	20	16	13	10
7	47	34	26	20	43	32	24	19	27	21	16	22	17	13	18	14	11	8
8	44	31	23	17	40	29	21	16	24	18	14	20	15	12	17	12	9	7
9	40	28	20	15	37	26	19	14	22	16	12	19	14	10	15	11	8	6
10	38	26	18	13	35	24	17	13	20	15	11	17	12	9	14	10	7	5

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	27.5	0.6	0.5
10°-20°	82.2	1.7	1.5
20°-30°	157.6	3.2	2.9
30°-40°	286.1	5.8	5.2
40°-50°	397.0	8.0	7.2
50°-60°	339.8	6.8	6.2
60°-70°	480.4	9.7	8.7
70°-80°	556.6	11.2	10.1
80°-90°	601.4	12.1	10.9
90°-100°	588.6	11.8	10.7
100°-110°	537.1	10.8	9.8
110°-120°	442.1	8.9	8.0
120°-130°	345.5	6.9	6.3
130°-140°	123.0	2.5	2.2
140°-150°	5.9	0.1	0.1
150°-160°	1.9	0.0	0.0
160°-170°	0.9	0.0	0.0
170°-180°	0.4	0.0	0.0
0°-30°	267.4	5.4	4.9
0°-40°	553.5	11.1	10.1
0°-60°	1290.4	25.9	23.5
0°-90°	2928.8	58.9	53.3
90°-120°	1567.8	31.5	28.5
90°-150°	2042.3	41.1	37.1
90°-180°	2045.0	41.1	37.2
0°-180°	4974.3	100.0	90.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	319	
5°	298	28
15°	281	82
25°	339	158
35°	378	286
45°	460	397
55°	301	340
65°	487	480
75°	524	557
85°	553	452
90°	544	299
95°	539	440
105°	509	537
115°	453	442
125°	396	346
135°	127	123
145°	7	6
155°	4	2
165°	3	1
175°	4	0
180°	5	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	319
5°	298
10°	265
15°	281
20°	324
25°	339
30°	357
35°	378
40°	688
45°	460
50°	453
55°	301
60°	460
65°	487
70°	501
75°	524
80°	555
85°	553
90°	544
95°	539
100°	536
105°	509
110°	476
115°	453
120°	398
125°	396
130°	349
135°	127
140°	18
145°	7
150°	5
155°	4
160°	3
165°	3
170°	4
175°	4
180°	5

(END OF REPORT)