

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: 11878.0

Luminaire Tested: **H2601-E70**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: 11878.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2601-E70
Description: 1/70W CLEAR E17 PULSE MH 12"DIA CHORUS PENDANT LUMINAIRE
Light Source: -
M98 MXR70/C/U/MED/0
Ballast/Driver: -

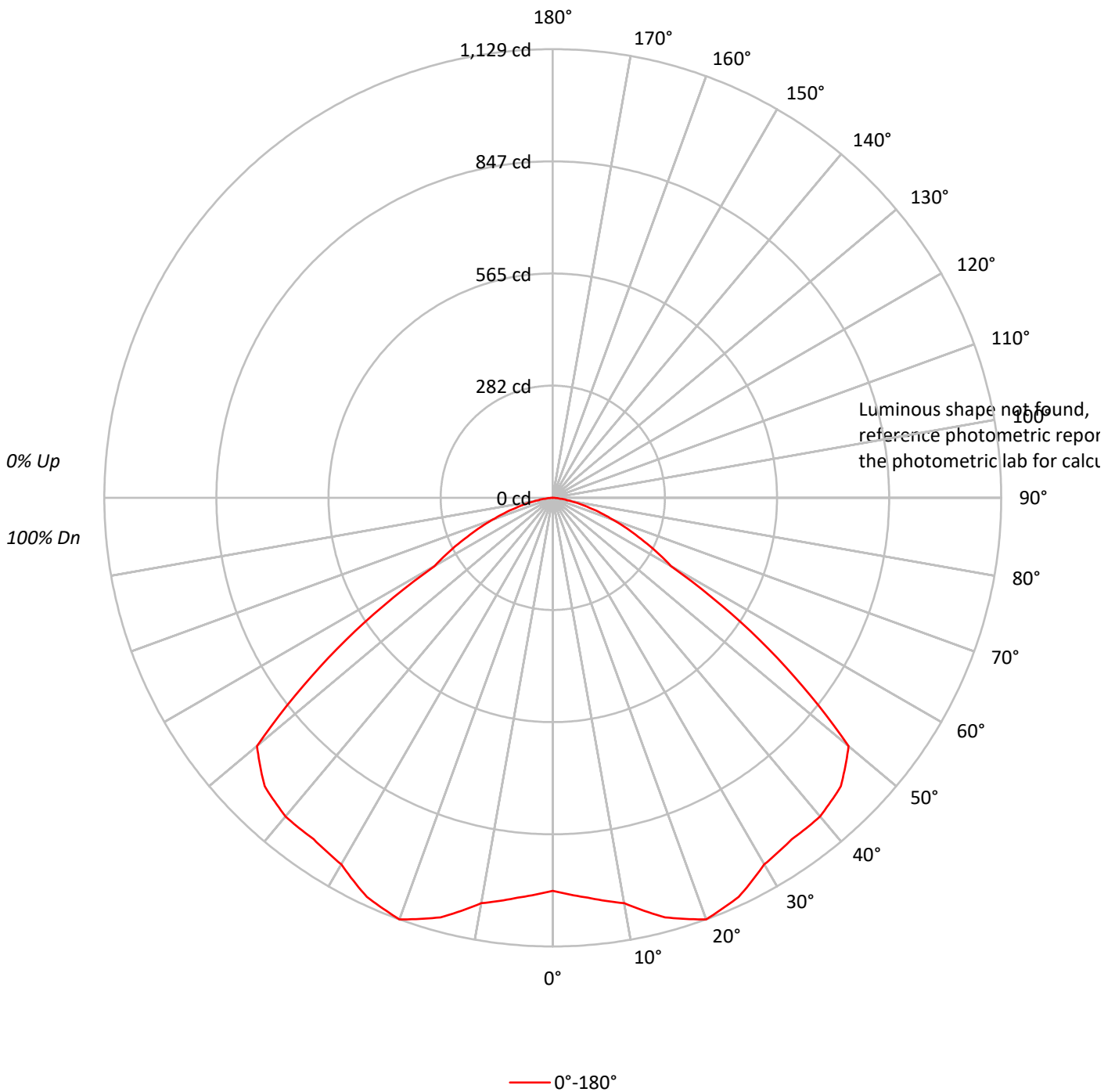
Summary

Lumens per Lamp: 5500 (1 lamp)
Luminaire Lumens: 3319.3 lumens
Efficiency: 60.4%
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 1.61 / 1.61 / 1.71
Luminous Opening: (L: 1 ' x W: 0 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (A_{in}): 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



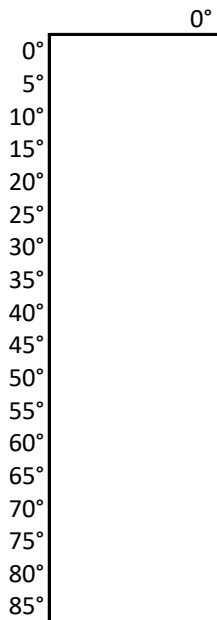


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	72	72	72	72	70	70	70	70	67	67	67	64	64	64	62	62	62	60
1	67	64	62	60	65	63	61	59	60	58	57	58	56	55	56	55	54	52
2	61	56	53	50	59	55	52	49	53	50	48	51	49	47	50	48	46	45
3	56	50	45	42	54	49	45	41	47	44	41	46	43	40	44	41	39	38
4	51	44	39	36	50	44	39	35	42	38	35	41	37	34	39	36	34	33
5	47	40	34	31	46	39	34	30	38	33	30	37	33	30	35	32	29	28
6	43	36	30	27	42	35	30	27	34	30	26	33	29	26	32	29	26	25
7	40	32	27	23	39	32	27	23	31	26	23	30	26	23	29	26	23	22
8	37	29	24	21	36	29	24	21	28	24	21	27	23	20	27	23	20	19
9	35	27	22	19	34	26	22	19	26	21	18	25	21	18	24	21	18	17
10	32	25	20	17	32	24	20	17	24	19	17	23	19	17	23	19	16	15

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	97.1	2.9	1.8
10°-20°	309.4	9.3	5.6
20°-30°	509.6	15.4	9.3
30°-40°	661.0	19.9	12.0
40°-50°	787.6	23.7	14.3
50°-60°	588.7	17.7	10.7
60°-70°	246.0	7.4	4.5
70°-80°	102.8	3.1	1.9
80°-90°	17.1	0.5	0.3
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°	916.1	27.6	16.7
0°-40°	1577.1	47.5	28.7
0°-60°	2953.4	89.0	53.7
0°-90°	3319.3	100.0	60.4
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°	3319.3	100.0	60.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	989	
5°	1010	97
15°	1093	309
25°	1108	510
35°	1049	661
45°	1026	788
55°	664	589
65°	245	246
75°	94	103
85°	11	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	989
5°	1010
10°	1036
15°	1093
20°	1129
25°	1108
30°	1065
35°	1049
40°	1047
45°	1026
50°	972
55°	664
60°	344
65°	245
70°	161
75°	94
80°	41
85°	11
90°	0

(END OF REPORT)