

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: 11876.0

Luminaire Tested: **H2601-E42**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: 11876.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2601-E42
Description: 1/42W SYLVANIA TRIPLE CF 12"DIA CHORUS PENDANT LUMINAIRE
Light Source: -
CFT42W/24q/835
Ballast/Driver: -

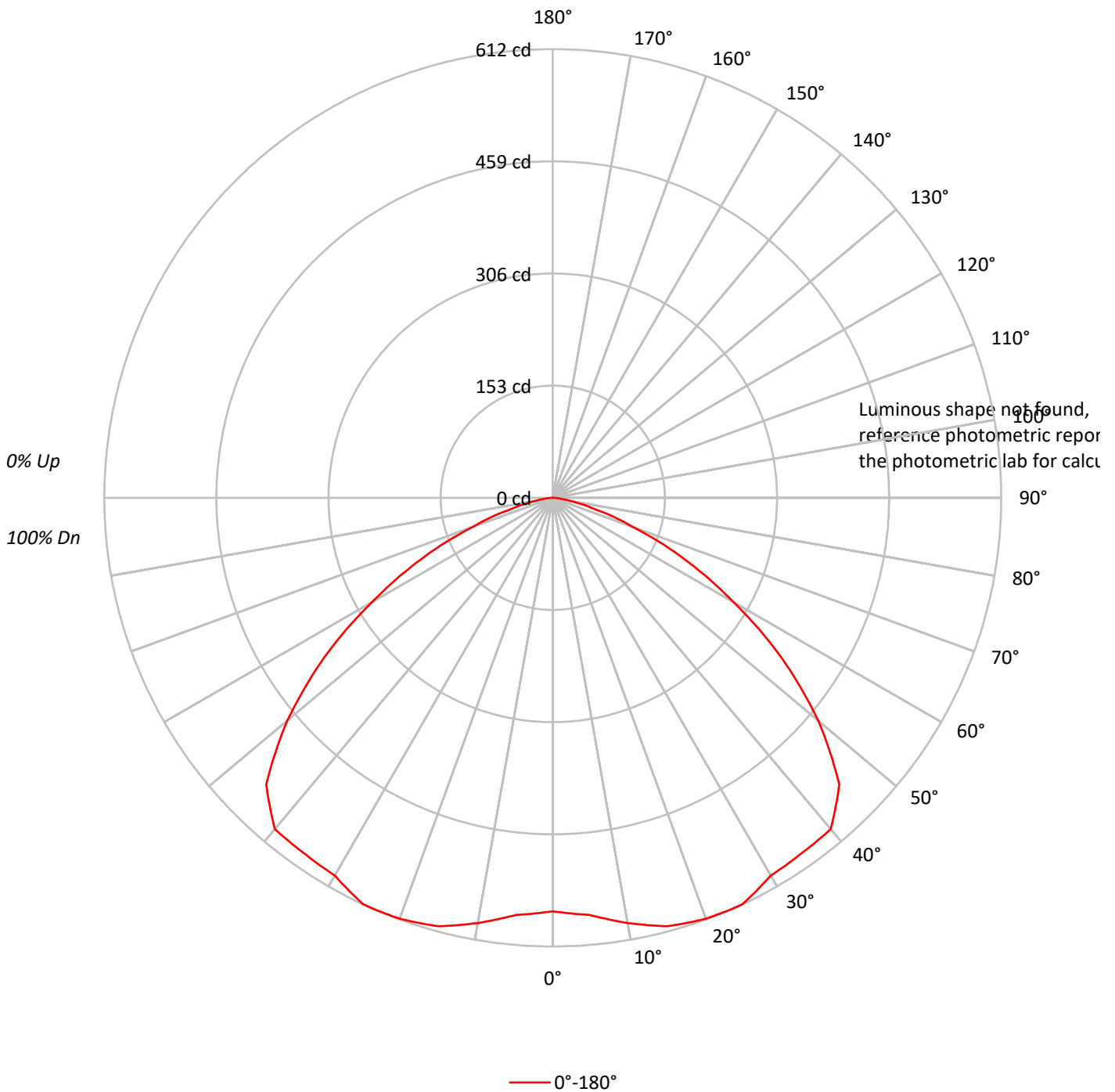
Summary

Lumens per Lamp: 3200 (1 lamp)
Luminaire Lumens: 1913.4 lumens
Efficiency: 59.8%
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 1.6 / 1.6 / 1.61
Luminous Opening: (L: 1 ' x W: 0 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 45
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



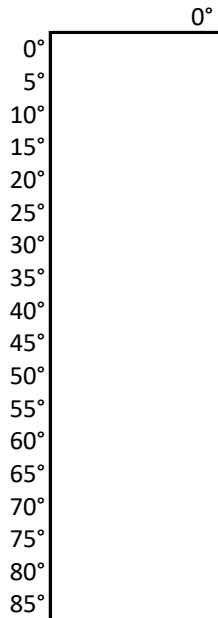


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	71	71	71	71	70	70	70	70	66	66	66		64	64	64		61	61	61	60
1	66	63	61	59	64	62	60	58	59	58	56		57	56	54		55	54	53	51
2	60	55	52	48	58	54	51	48	52	49	47		50	48	46		48	46	45	43
3	55	49	44	40	53	48	44	40	46	42	39		44	41	39		43	40	38	37
4	50	43	38	34	49	42	38	34	41	37	34		40	36	33		38	35	33	31
5	46	39	33	29	45	38	33	29	37	32	29		35	32	29		34	31	28	27
6	42	35	29	26	41	34	29	25	33	29	25		32	28	25		31	27	25	24
7	39	31	26	22	38	31	26	22	30	25	22		29	25	22		28	25	22	21
8	36	28	23	20	36	28	23	20	27	23	20		26	22	20		26	22	19	18
9	34	26	21	18	33	26	21	18	25	21	18		24	20	18		24	20	17	16
10	32	24	19	16	31	24	19	16	23	19	16		22	19	16		22	18	16	15

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	55.1	2.9	1.7
10°-20°	171.0	8.9	5.3
20°-30°	281.0	14.7	8.8
30°-40°	372.0	19.4	11.6
40°-50°	419.0	21.9	13.1
50°-60°	340.1	17.8	10.6
60°-70°	197.2	10.3	6.2
70°-80°	67.9	3.6	2.1
80°-90°	10.1	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°	507.1	26.5	15.8
0°-40°	879.1	45.9	27.5
0°-60°	1638.2	85.6	51.2
0°-90°	1913.4	100.0	59.8
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°	1913.4	100.0	59.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	564	
5°	571	55
15°	605	171
25°	612	281
35°	592	372
45°	553	419
55°	382	340
65°	198	197
75°	59	68
85°	7	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	564
5°	571
10°	589
15°	605
20°	611
25°	612
30°	595
35°	592
40°	590
45°	553
50°	473
55°	382
60°	285
65°	198
70°	117
75°	59
80°	23
85°	7
90°	0

(END OF REPORT)