

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: 11875.0

Luminaire Tested: **H2600-E42**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: 11875.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2600-E42
Description: 1/42W SYLVANIA TRIPLE CF 12"DIA CHORUS PENDANT LUMINAIRE
Light Source: -
CFT42W/24q/835
Ballast/Driver: -

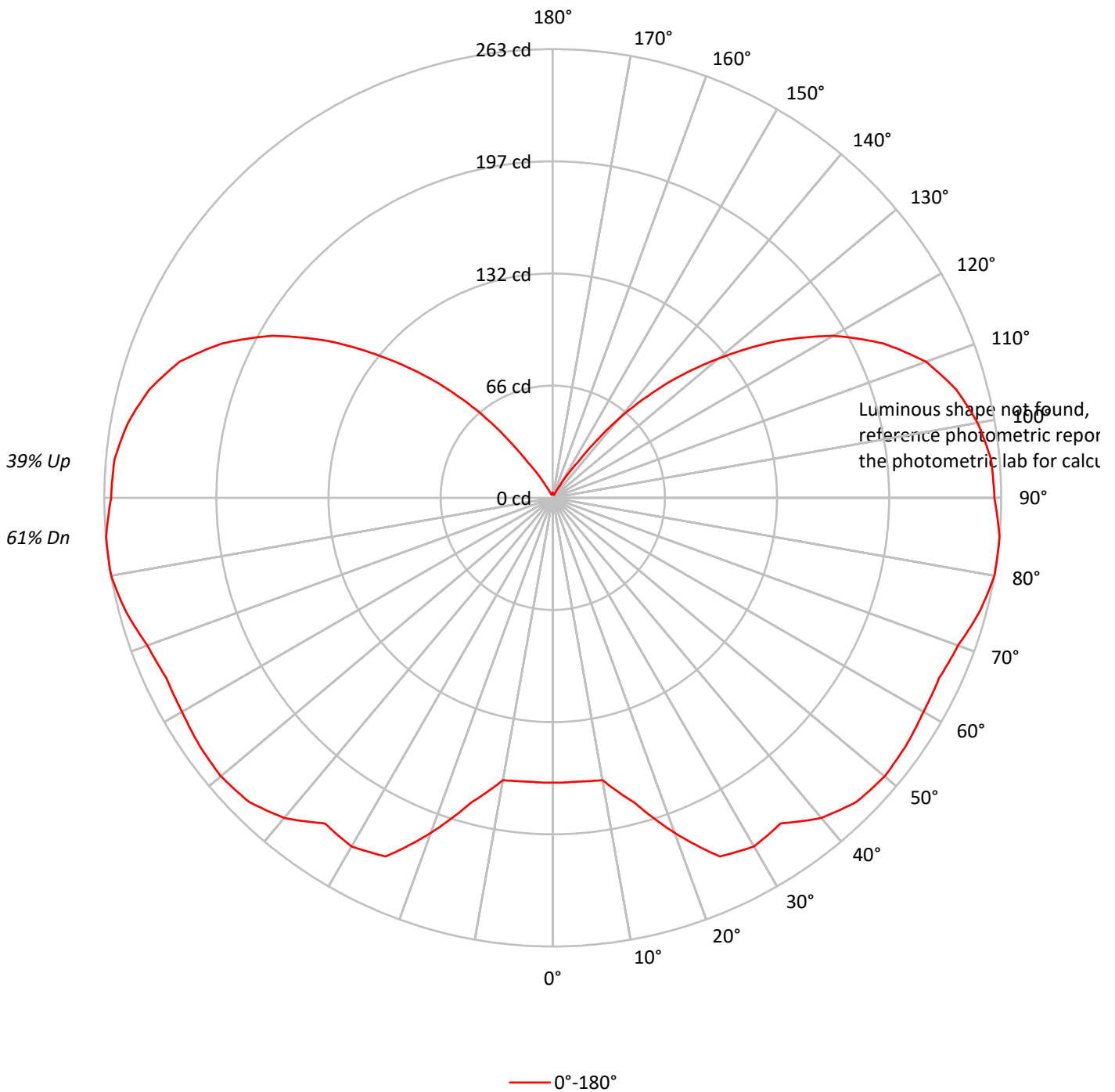
Summary

Lumens per Lamp: 3200 (1 lamp)
Luminaire Lumens: 2542.0 lumens
Efficiency: 79.4%
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 2.09 / 2.09 / 2.15
Luminous Opening: (L: 1.04 ' x W: 0 ' x H: 0.6 '
CIE Type: Semi-Direct

Input Watts (W): 42
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



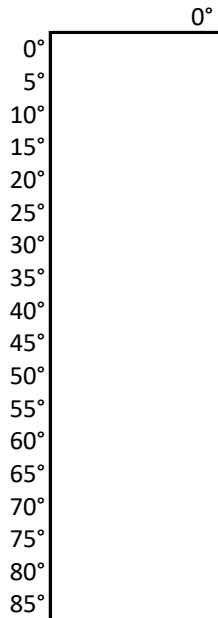


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	87	87	87	87	82	82	82	82	71	71	71		61	61	61		53	53	53	49
1	75	70	65	61	70	65	61	57	56	52	49		47	45	42		40	38	36	32
2	67	59	52	46	62	54	48	43	47	42	38		39	35	32		32	30	27	23
3	60	50	43	37	55	47	40	34	40	34	30		33	29	25		28	24	21	18
4	54	44	36	30	50	41	33	28	35	29	24		29	24	21		24	20	17	14
5	50	38	31	25	46	36	29	23	30	25	20		26	21	17		21	17	14	12
6	45	34	27	21	42	32	25	20	27	21	17		23	18	15		19	15	12	10
7	42	31	23	18	39	28	22	17	24	19	15		21	16	13		17	13	10	8
8	39	28	21	16	36	26	19	15	22	17	13		19	14	11		16	12	9	7
9	36	25	18	14	33	23	17	13	20	15	11		17	13	10		14	11	8	6
10	34	23	16	12	31	21	15	11	18	13	10		16	12	9		13	10	7	5

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	16.0	0.6	0.5
10°-20°	53.4	2.1	1.7
20°-30°	105.5	4.1	3.3
30°-40°	148.8	5.9	4.7
40°-50°	194.3	7.6	6.1
50°-60°	226.7	8.9	7.1
60°-70°	249.2	9.8	7.8
70°-80°	273.5	10.8	8.5
80°-90°	285.9	11.2	8.9
90°-100°	280.4	11.0	8.8
100°-110°	258.2	10.2	8.1
110°-120°	211.4	8.3	6.6
120°-130°	143.3	5.6	4.5
130°-140°	73.7	2.9	2.3
140°-150°	19.2	0.8	0.6
150°-160°	1.7	0.1	0.1
160°-170°	0.6	0.0	0.0
170°-180°	0.3	0.0	0.0
0°-30°	174.9	6.9	5.5
0°-40°	323.7	12.7	10.1
0°-60°	744.7	29.3	23.3
0°-90°	1553.2	61.1	48.5
90°-120°	750.0	29.5	23.4
90°-150°	986.3	38.8	30.8
90°-180°	989.0	38.9	30.9
0°-180°	2542.0	100.0	79.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	167	
5°	167	16
15°	185	53
25°	232	105
35°	233	149
45°	252	194
55°	253	227
65°	250	249
75°	259	274
85°	263	215
90°	259	142
95°	258	209
105°	245	258
115°	214	211
125°	160	143
135°	95	74
145°	25	19
155°	2	2
165°	2	1
175°	3	0
180°	3	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	167
5°	167
10°	168
15°	185
20°	209
25°	232
30°	236
35°	233
40°	245
45°	252
50°	254
55°	253
60°	251
65°	250
70°	253
75°	259
80°	263
85°	263
90°	259
95°	258
100°	253
105°	245
110°	233
115°	214
120°	190
125°	160
130°	127
135°	95
140°	61
145°	25
150°	8
155°	2
160°	2
165°	2
170°	2
175°	3
180°	3

(END OF REPORT)