

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: 11874.0

Luminaire Tested: **H2601-E32**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: 11874.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2601-E32
Description: 1/32W SYLVANIA TRIPLE CF 12"DIA CHORUS PENDANT LUMINAIRE
Light Source: -
CFT32W/24q/835
Ballast/Driver: -

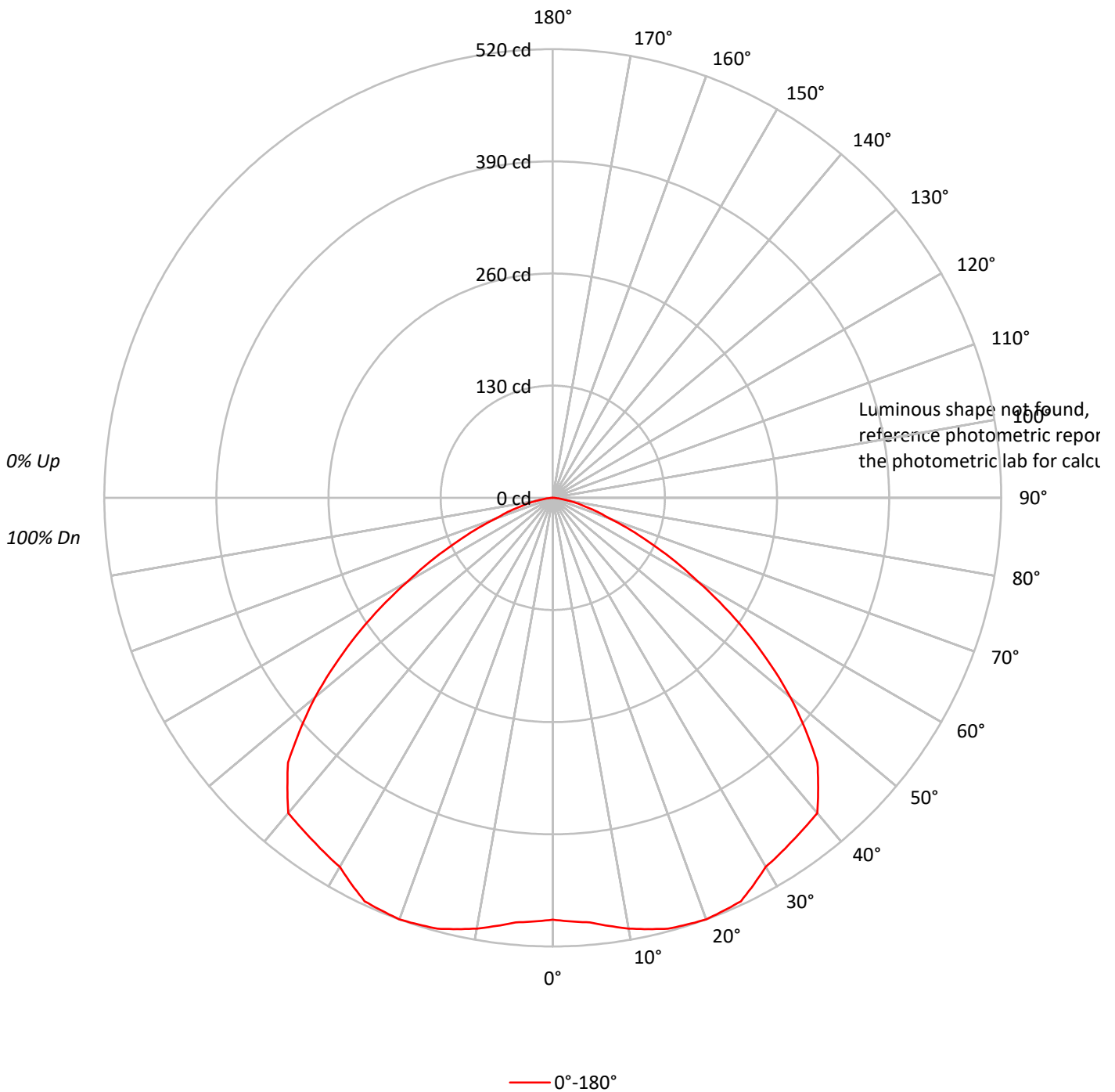
Summary

Lumens per Lamp: 2400 (1 lamp)
Luminaire Lumens: 1490.0 lumens
Efficiency: 62.1%
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 1.51 / 1.51 / 1.54
Luminous Opening: (L: 1 ' x W: 0 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 33
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	74	74	74	74	72	72	72	72	69	69	69	66	66	66	63	63	63	62
1	68	66	64	61	67	64	62	60	62	60	59	59	58	57	57	56	55	54
2	63	58	54	51	61	57	54	51	55	52	49	53	50	48	51	49	47	46
3	58	51	47	43	56	51	46	43	49	45	42	47	44	41	45	43	41	39
4	53	46	41	37	51	45	40	37	43	39	36	42	38	36	41	38	35	34
5	49	41	36	32	47	40	35	32	39	35	31	38	34	31	37	33	31	29
6	45	37	32	28	44	36	31	28	35	31	27	34	30	27	33	30	27	26
7	42	33	28	24	41	33	28	24	32	27	24	31	27	24	30	27	24	23
8	39	30	25	22	38	30	25	22	29	25	22	28	24	21	28	24	21	20
9	36	28	23	20	35	28	23	19	27	22	19	26	22	19	26	22	19	18
10	34	26	21	18	33	25	21	18	25	20	18	24	20	17	24	20	17	16

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	47.6	3.2	2.0
10°-20°	146.2	9.8	6.1
20°-30°	236.5	15.9	9.9
30°-40°	304.7	20.4	12.7
40°-50°	329.1	22.1	13.7
50°-60°	248.1	16.6	10.3
60°-70°	127.7	8.6	5.3
70°-80°	43.5	2.9	1.8
80°-90°	6.8	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°	430.2	28.9	17.9
0°-40°	734.9	49.3	30.6
0°-60°	1312.1	88.1	54.7
0°-90°	1490.0	100.0	62.1
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°	1490.0	100.0	62.1

CANDELA DISTRIBUTION:

	0°	Flux
0°	489	
5°	494	48
15°	517	146
25°	516	236
35°	485	305
45°	434	329
55°	278	248
65°	126	128
75°	39	43
85°	4	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	489
5°	494
10°	507
15°	517
20°	520
25°	516
30°	494
35°	485
40°	477
45°	434
50°	360
55°	278
60°	195
65°	126
70°	70
75°	39
80°	17
85°	4
90°	0

(END OF REPORT)