

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: H37025

Luminaire Tested: **H600T-1670P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37025
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H600T-1670P
Description: HALO RECESSED DOWNLIGHT
BRIGHT DIPPED & ANODIZED REFLECTOR
ALBALITE LENS SPLAY TRIM - LOW SOCKET SETTING
Light Source: 100A19 100 WATTS 1750 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

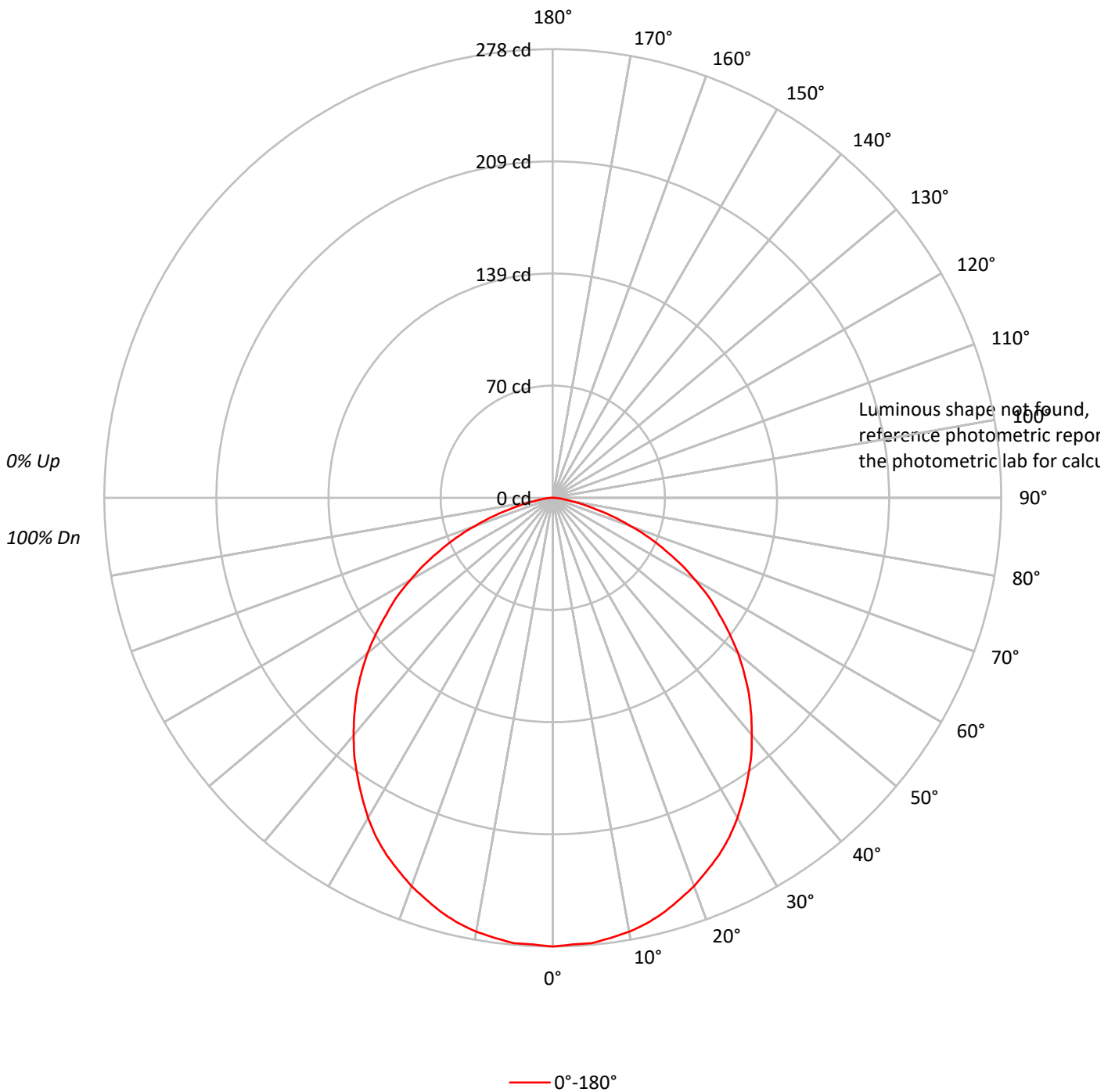
Lumens per Lamp: 1750 (1 lamp)
Luminaire Lumens: 703.4 lumens
Efficiency: 40.2%
Efficacy: 7.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.33
Luminous Opening: (L: 0' x W: -0.52' x H: 0'
CIE Type: Direct

Input Watts (W): 100
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	48	48	48	48	47	47	47	47	45	45	45		43	43	43		41	41	41	40
1	44	42	41	39	43	41	40	39	40	39	38		38	37	36		37	36	35	35
2	40	37	35	33	39	37	34	32	35	33	31		34	32	31		33	31	30	29
3	37	33	30	27	36	32	29	27	31	29	27		30	28	26		29	27	26	25
4	34	29	26	23	33	29	26	23	28	25	23		27	24	23		26	24	22	21
5	31	26	23	20	30	26	23	20	25	22	20		24	22	20		23	21	19	19
6	29	24	20	18	28	23	20	18	23	20	17		22	19	17		21	19	17	16
7	27	22	18	16	26	21	18	16	21	18	16		20	17	15		19	17	15	15
8	25	20	16	14	24	19	16	14	19	16	14		18	16	14		18	16	14	13
9	23	18	15	13	23	18	15	13	17	15	13		17	14	13		17	14	12	12
10	22	17	14	12	21	16	13	11	16	13	11		16	13	11		15	13	11	11

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	26.3	3.7	1.5
10°-20°	75.0	10.7	4.3
20°-30°	112.3	16.0	6.4
30°-40°	132.0	18.8	7.5
40°-50°	132.4	18.8	7.6
50°-60°	112.9	16.0	6.4
60°-70°	76.4	10.9	4.4
70°-80°	31.2	4.4	1.8
80°-90°	5.0	0.7	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°	213.6	30.4	12.2
0°-40°	345.6	49.1	19.7
0°-60°	590.8	84.0	33.8
0°-90°	703.4	100.0	40.2
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°	703.4	100.0	40.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	278	
5°	277	26
15°	266	75
25°	244	112
35°	211	132
45°	172	132
55°	126	113
65°	77	76
75°	28	31
85°	4	5
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	278
2.5°	277
5°	277
7.5°	275
10°	273
12.5°	270
15°	266
17.5°	261
20°	256
22.5°	250
25°	244
27.5°	237
30°	229
32.5°	220
35°	211
37.5°	202
40°	192
42.5°	182
45°	172
47.5°	161
50°	150
52.5°	138
55°	126
57.5°	115
60°	102
62.5°	90
65°	77
67.5°	65
70°	52
72.5°	40
75°	28
77.5°	19
80°	11
82.5°	7
85°	4
87.5°	2
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0
115°	0
117.5°	0
120°	0
122.5°	0
125°	0
127.5°	0
130°	0
132.5°	0
135°	0
137.5°	0
140°	0
142.5°	0
145°	0
147.5°	0
150°	0
152.5°	0
155°	0
157.5°	0
160°	0
162.5°	0
165°	0
167.5°	0
170°	0
172.5°	0
175°	0
177.5°	0
180°	0

(END OF REPORT)