

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: H37017

Luminaire Tested: **H600T-1603BA**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37017
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H600T-1603BA
Description: HALO RECESSED DOWNLIGHT
BRIGHT DIPPED & ANODIZED REFLECTOR
BLACK CONE BAFFLE - LOW SOCKET SETTING
Light Source: 150A21 150 WATTS 2850 LUMENS
A21 INSIDE FROSTED
Ballast/Driver: -

Summary

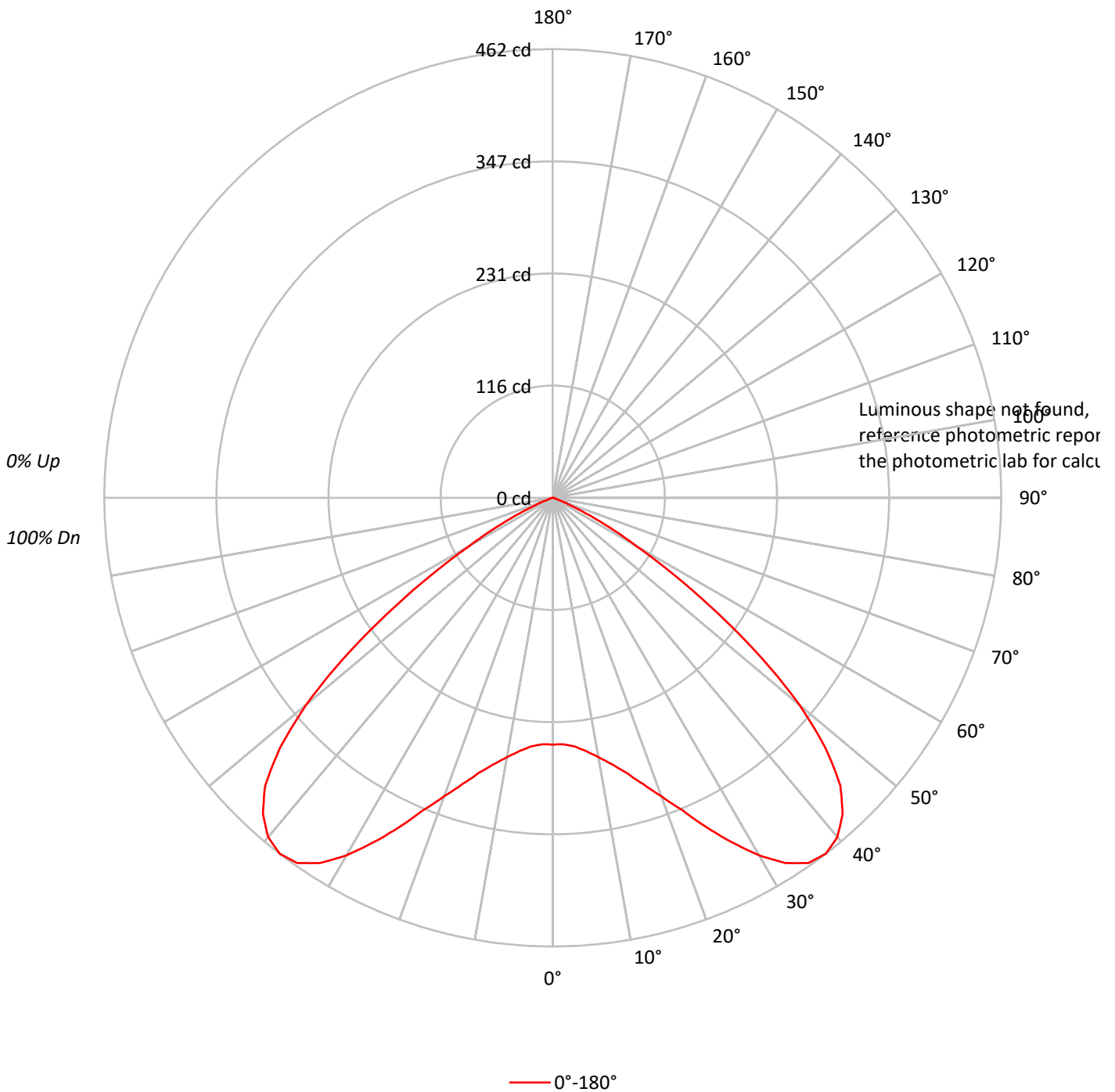
Lumens per Lamp: 2850 (1 lamp)
Luminaire Lumens: 1117.5 lumens
Efficiency: 39.2%
Efficacy: 7.5 lumens/watt
Spacing Criteria (0/90/45): 2.12 / 2.12 / 1.83
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 150
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



TEST NUMBER: H37017
CATALOG NUMBER: H600T-1603BA

Luminous Intensity Polar Plot



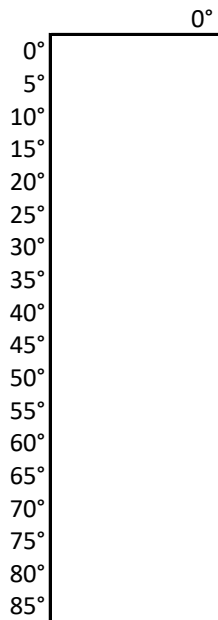


TEST NUMBER: H37017
 CATALOG NUMBER: H600T-1603BA

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	47	47	47	47	46	46	46	46	44	44	44		42	42	42		40	40	40	39
1	44	42	41	40	43	41	40	39	40	39	38		38	37	37		37	36	35	35
2	40	37	35	33	39	37	35	33	35	34	32		34	33	31		33	32	31	30
3	37	33	30	28	36	33	30	28	32	29	28		31	29	27		30	28	27	26
4	34	30	27	24	33	29	26	24	28	26	24		27	25	23		26	25	23	22
5	31	26	23	21	30	26	23	21	25	23	20		24	22	20		24	22	20	19
6	29	24	20	18	28	23	20	18	23	20	18		22	20	18		21	19	18	17
7	26	21	18	16	26	21	18	16	20	18	16		20	17	15		19	17	15	15
8	24	19	16	14	24	19	16	14	19	16	14		18	16	14		18	15	14	13
9	23	18	14	12	22	17	14	12	17	14	12		16	14	12		16	14	12	11
10	21	16	13	11	21	16	13	11	15	13	11		15	13	11		15	12	11	10

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	25.0	2.2	0.9
10°-20°	84.6	7.6	3.0
20°-30°	174.7	15.6	6.1
30°-40°	284.3	25.4	10.0
40°-50°	315.5	28.2	11.1
50°-60°	187.5	16.8	6.6
60°-70°	42.1	3.8	1.5
70°-80°	3.4	0.3	0.1
80°-90°	0.5	0.0	0.0
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°	284.3	25.4	10.0
0°-40°	568.5	50.9	19.9
0°-60°	1071.5	95.9	37.6
0°-90°	1117.5	100.0	39.2
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°	1117.5	100.0	39.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	254	
5°	257	25
15°	293	85
25°	374	175
35°	459	284
45°	419	315
55°	208	187
65°	37	42
75°	3	3
85°	0	1
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°	254
2.5°	254
5°	257
7.5°	263
10°	271
12.5°	281
15°	293
17.5°	309
20°	327
22.5°	348
25°	374
27.5°	400
30°	425
32.5°	446
35°	459
37.5°	462
40°	456
42.5°	442
45°	419
47.5°	381
50°	332
52.5°	272
55°	208
57.5°	149
60°	100
62.5°	65
65°	37
67.5°	17
70°	6
72.5°	4
75°	3
77.5°	2
80°	2
82.5°	1
85°	0
87.5°	0
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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CATALOG NUMBER: H600T-1603BA

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)