

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: H37016

Luminaire Tested: **H600T-1603BA**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37016
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: 100A19 100 WATTS 1750 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

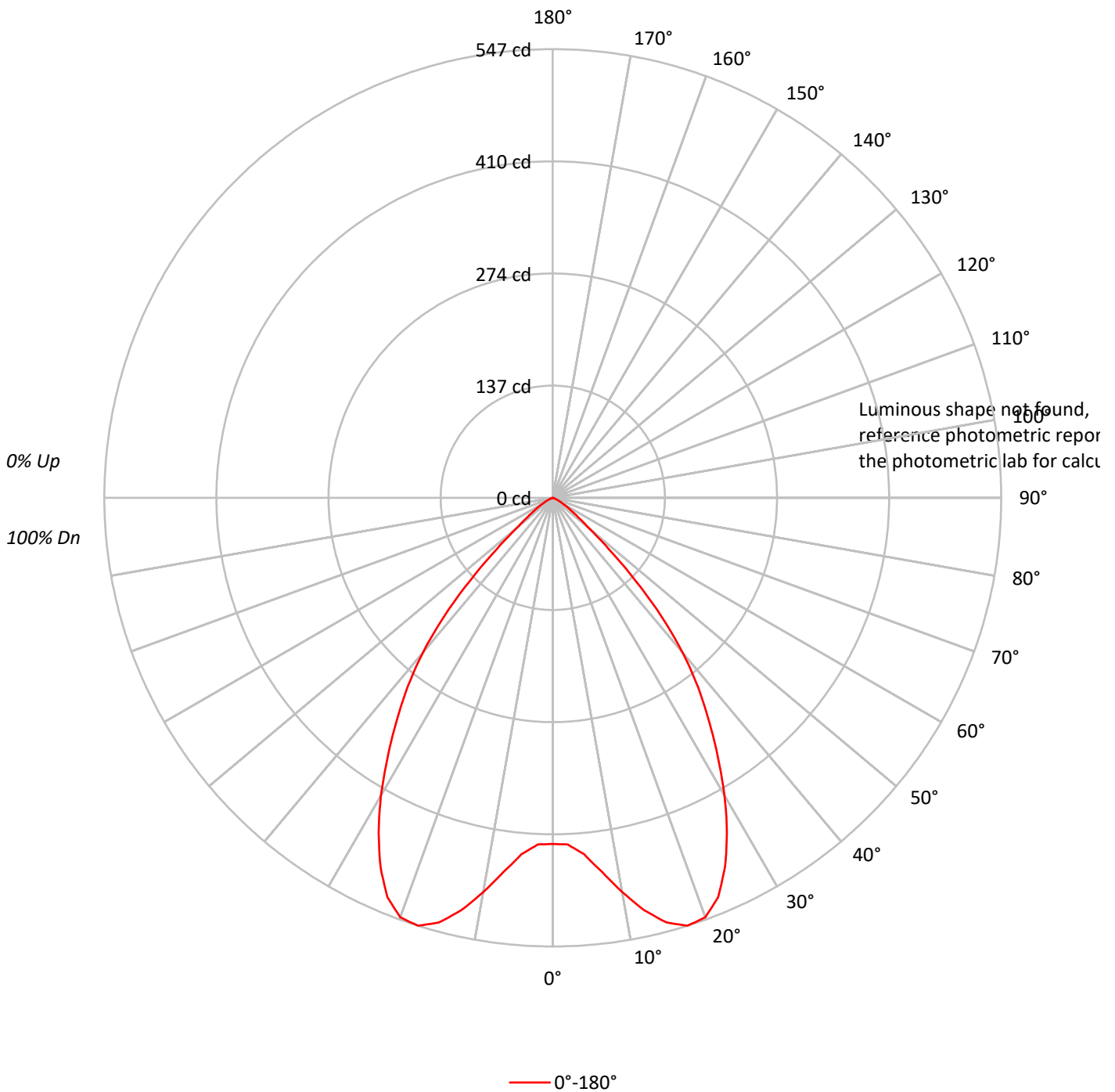
Lumens per Lamp: 1750 (1 lamp)
Luminaire Lumens: 772.7 lumens
Efficiency: 44.2%
Efficacy: 7.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.2
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

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	53	53	53	53	51	51	51	51	49	49	49	47	47	47	45	45	45	44
1	50	48	47	46	49	47	46	45	46	45	44	44	43	43	42	42	41	41
2	47	44	42	41	46	44	42	40	42	41	39	41	40	39	40	39	38	37
3	44	41	38	36	43	40	38	36	39	37	35	38	36	35	37	36	34	34
4	41	38	35	33	41	37	34	32	36	34	32	35	33	32	34	33	31	31
5	39	35	32	30	38	34	31	29	33	31	29	33	31	29	32	30	29	28
6	37	32	29	27	36	32	29	27	31	28	27	30	28	26	30	28	26	25
7	34	30	27	25	34	29	26	24	29	26	24	28	26	24	28	26	24	23
8	32	28	25	22	32	27	24	22	27	24	22	26	24	22	26	24	22	21
9	30	26	23	21	30	25	23	21	25	22	21	25	22	21	24	22	20	20
10	29	24	21	19	28	24	21	19	23	21	19	23	21	19	23	20	19	18

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	43.4	5.6	2.5
10°-20°	150.7	19.5	8.6
20°-30°	225.7	29.2	12.9
30°-40°	206.9	26.8	11.8
40°-50°	111.1	14.4	6.3
50°-60°	27.2	3.5	1.6
60°-70°	6.6	0.9	0.4
70°-80°	1.1	0.1	0.1
80°-90°	0.0	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°	419.7	54.3	24.0
0°-40°	626.7	81.1	35.8
0°-60°	765.0	99.0	43.7
0°-90°	772.7	100.0	44.2
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°	772.7	100.0	44.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	422	
5°	436	43
15°	536	151
25°	497	226
35°	332	207
45°	142	111
55°	28	27
65°	6	7
75°	1	1
85°	0	0
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	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	422
2.5°	423
5°	436
7.5°	460
10°	488
12.5°	515
15°	536
17.5°	547
20°	544
22.5°	527
25°	497
27.5°	460
30°	419
32.5°	375
35°	332
37.5°	291
40°	247
42.5°	197
45°	142
47.5°	93
50°	58
52.5°	39
55°	28
57.5°	20
60°	14
62.5°	10
65°	6
67.5°	3
70°	2
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
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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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)