

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: H23313

Luminaire Tested: **H802HP-803P**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: H23313
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H802HP-803P
Description: HALO 8" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR WITH FRESNEL GLASS LENS
Light Source: (2) F18DTT 18 WATTS 1250 LUMENS EACH
DOUBLE TWIN TUBE COMPACT FLUORESCENT
Ballast/Driver: -

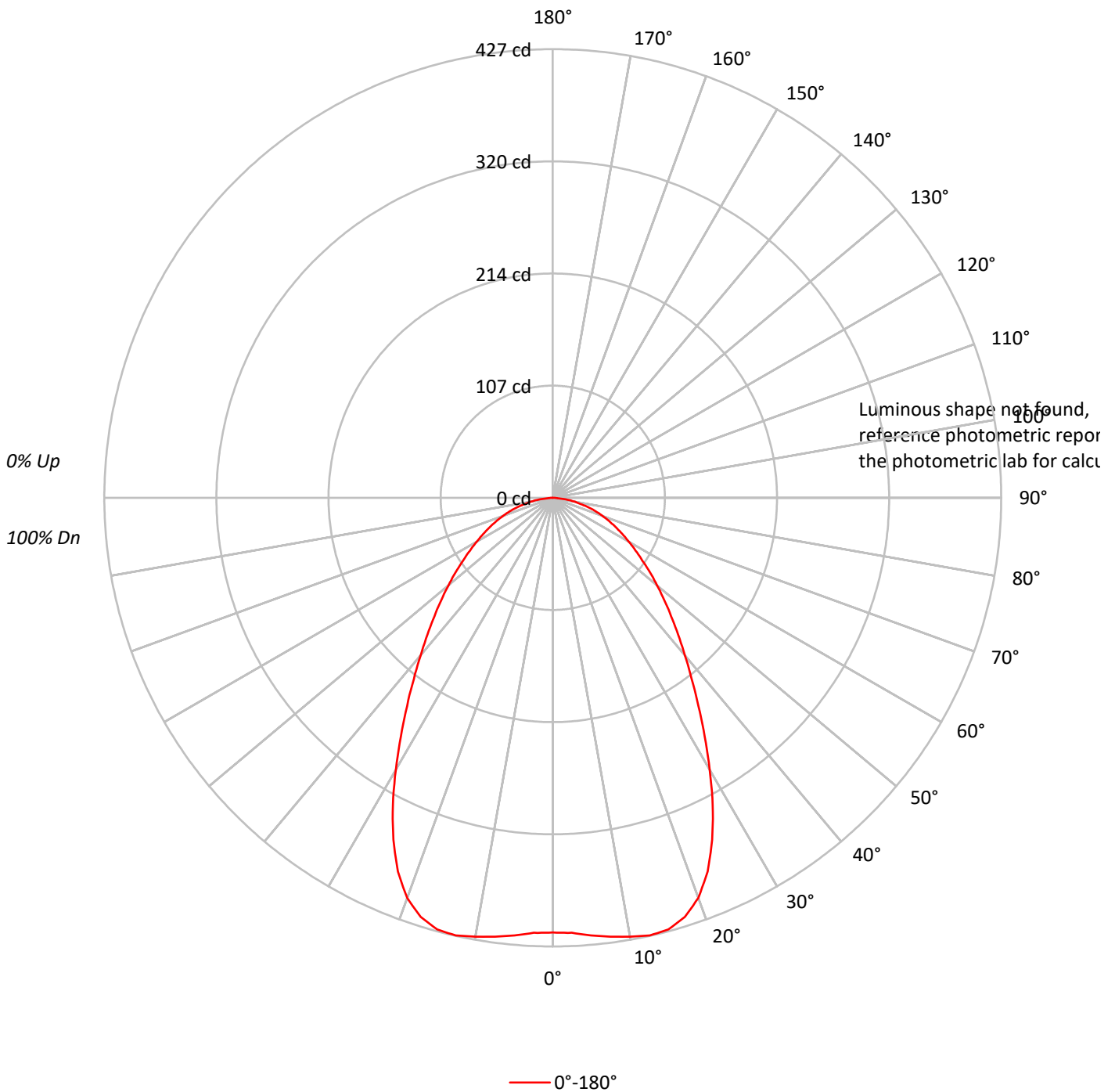
Summary

Lumens per Lamp: 1250 (2 lamps)
Luminaire Lumens: 804.3 lumens
Efficiency: 32.2%
Efficacy: 15.8 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: (L: 0 ' x W: -0.53 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 51
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



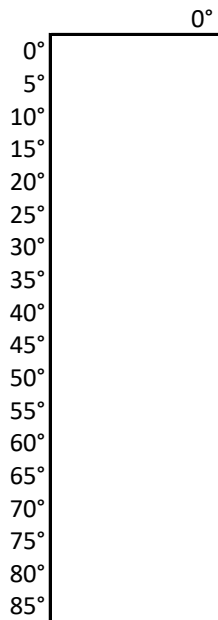


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	40.1	5.0	1.6
10°-20°	119.1	14.8	4.8
20°-30°	163.5	20.3	6.5
30°-40°	151.9	18.9	6.1
40°-50°	123.7	15.4	4.9
50°-60°	94.0	11.7	3.8
60°-70°	65.8	8.2	2.6
70°-80°	37.2	4.6	1.5
80°-90°	8.8	1.1	0.4
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°	322.8	40.1	12.9
0°-40°	474.7	59.0	19.0
0°-60°	692.4	86.1	27.7
0°-90°	804.3	100.0	32.2
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°	804.3	100.0	32.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	414	
5°	418	40
15°	425	119
25°	359	164
35°	242	152
45°	159	124
55°	104	94
65°	66	66
75°	35	37
85°	5	9
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°	413.7
2.5°	414.4
5°	418.0
7.5°	421.2
10°	424.1
12.5°	426.6
15°	425.2
17.5°	418.3
20°	405.2
22.5°	385.1
25°	359.1
27.5°	329.8
30°	298.8
32.5°	269.2
35°	241.8
37.5°	217.3
40°	195.7
42.5°	176.5
45°	159.4
47.5°	143.8
50°	129.7
52.5°	116.7
55°	104.2
57.5°	93.5
60°	83.6
62.5°	74.6
65°	66.1
67.5°	58.2
70°	50.6
72.5°	43.0
75°	35.2
77.5°	27.2
80°	21.1
82.5°	14.2
85°	5.4
87.5°	2.3
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)