

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: H23318

Luminaire Tested: **H800HP-801P**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: H23318
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H800HP-801P
Description: HALO 8" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR WITH DROP OPAL GLASS LENS
Light Source: (2) F13TT 13 WATTS 900 LUMENS EACH
TWIN TUBE COMPACT FLUORESCENT
Ballast/Driver: -

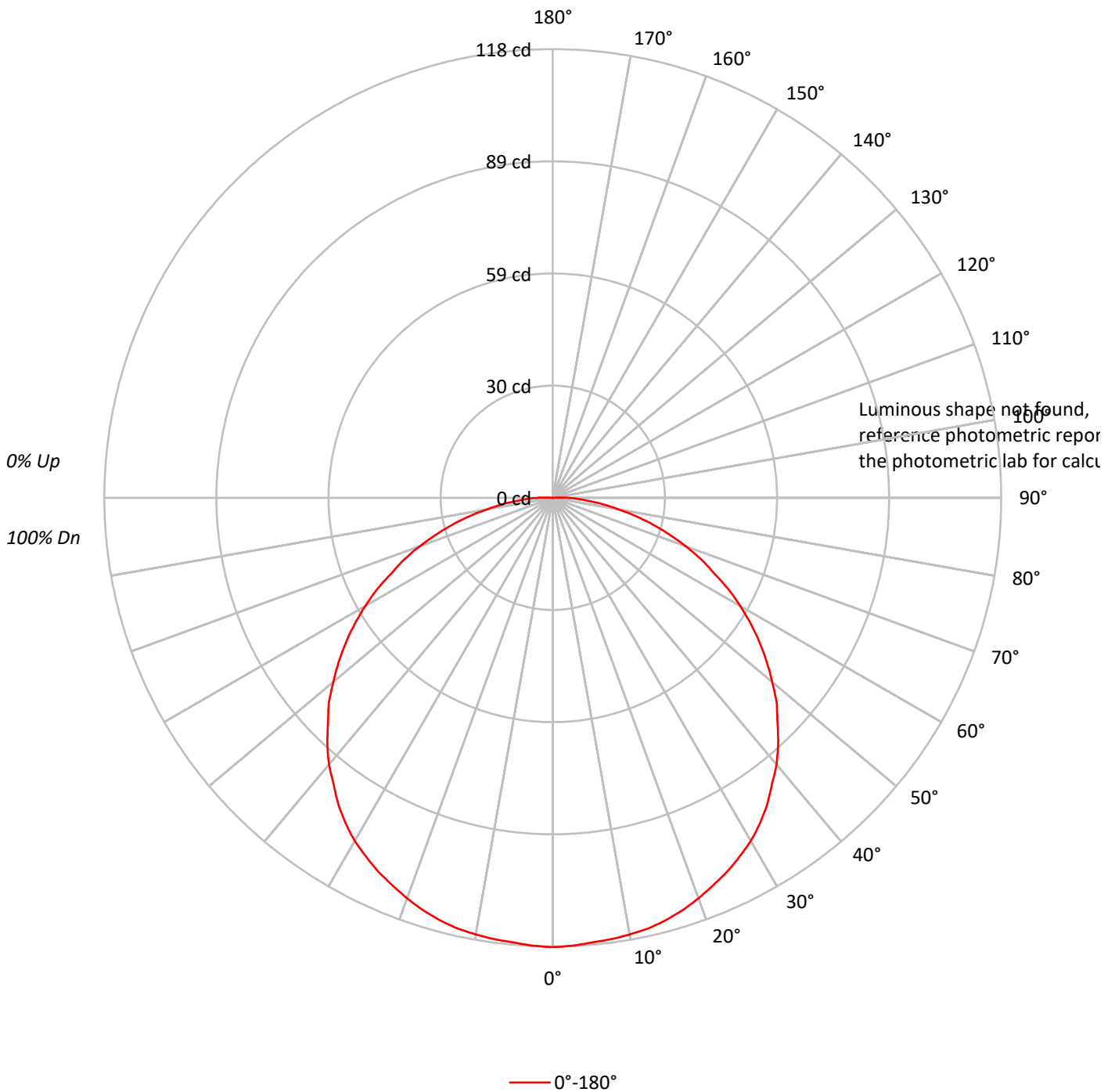
Summary

Lumens per Lamp: 900 (2 lamps)
Luminaire Lumens: 366.7 lumens
Efficiency: 20.4%
Efficacy: 11.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.41
Luminous Opening: (L: 0' x W: -0.54' x H: 0.03'
CIE Type: Direct

Input Watts (W): 32
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



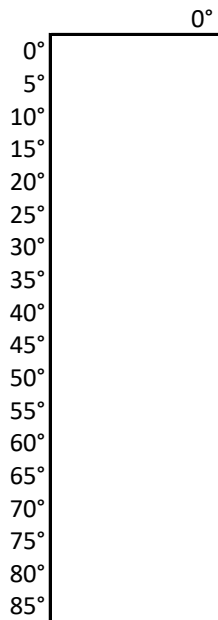


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	24	24	24	24	24	24	24	24	23	23	23	22	22	22	21	21	21	20
1	22	21	20	19	21	20	20	19	20	19	18	19	18	18	18	18	17	17
2	20	18	17	15	19	18	16	15	17	16	15	16	15	15	16	15	14	14
3	18	16	14	13	18	16	14	13	15	14	12	14	13	12	14	13	12	12
4	17	14	12	11	16	14	12	11	13	12	11	13	11	10	12	11	10	10
5	15	13	11	9	15	12	11	9	12	10	9	11	10	9	11	10	9	8
6	14	11	9	8	14	11	9	8	11	9	8	10	9	8	10	9	8	7
7	13	10	8	7	13	10	8	7	10	8	7	9	8	7	9	8	7	6
8	12	9	8	6	12	9	7	6	9	7	6	9	7	6	8	7	6	6
9	11	8	7	6	11	8	7	6	8	7	6	8	7	6	8	6	6	5
10	11	8	6	5	10	8	6	5	8	6	5	7	6	5	7	6	5	5

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	11.2	3.1	0.6
10°-20°	32.5	8.9	1.8
20°-30°	50.0	13.6	2.8
30°-40°	61.5	16.8	3.4
40°-50°	64.7	17.6	3.6
50°-60°	59.4	16.2	3.3
60°-70°	46.6	12.7	2.6
70°-80°	28.9	7.9	1.6
80°-90°	11.0	3.0	0.6
90°-100°	1.0	0.3	0.1
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°	93.7	25.5	5.2
0°-40°	155.2	42.3	8.6
0°-60°	279.2	76.1	15.5
0°-90°	365.7	99.7	20.3
90°-120°	1.0	0.3	0.1
90°-150°	1.0	0.3	0.1
90°-180°	1.0	0.3	0.1
0°-180°	366.7	100.0	20.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	118	
5°	117	11
15°	115	32
25°	108	50
35°	98	61
45°	84	65
55°	66	59
65°	47	47
75°	27	29
85°	10	10
90°	4	2
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°	118.2
2.5°	117.9
5°	117.4
7.5°	117.1
10°	116.6
12.5°	116.0
15°	115.0
17.5°	113.7
20°	112.1
22.5°	110.3
25°	108.5
27.5°	106.4
30°	104.2
32.5°	101.5
35°	98.4
37.5°	94.8
40°	91.6
42.5°	87.8
45°	83.6
47.5°	79.9
50°	75.4
52.5°	71.0
55°	66.5
57.5°	61.8
60°	57.0
62.5°	52.1
65°	46.7
67.5°	42.3
70°	37.2
72.5°	32.2
75°	27.4
77.5°	22.5
80°	17.7
82.5°	13.5
85°	9.6
87.5°	6.5
90°	4.0
92.5°	1.5
95°	0.1
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)