

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: H23314

Luminaire Tested: **H803HP-803P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H23314
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H803HP-803P
Description: HALO 8" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR WITH FRESNEL GLASS LENS
Light Source: (2) F26DTT 26 WATTS 1800 LUMENS EACH
DOUBLE TWIN TUBE COMPACT FLUORESCENT
Ballast/Driver: -

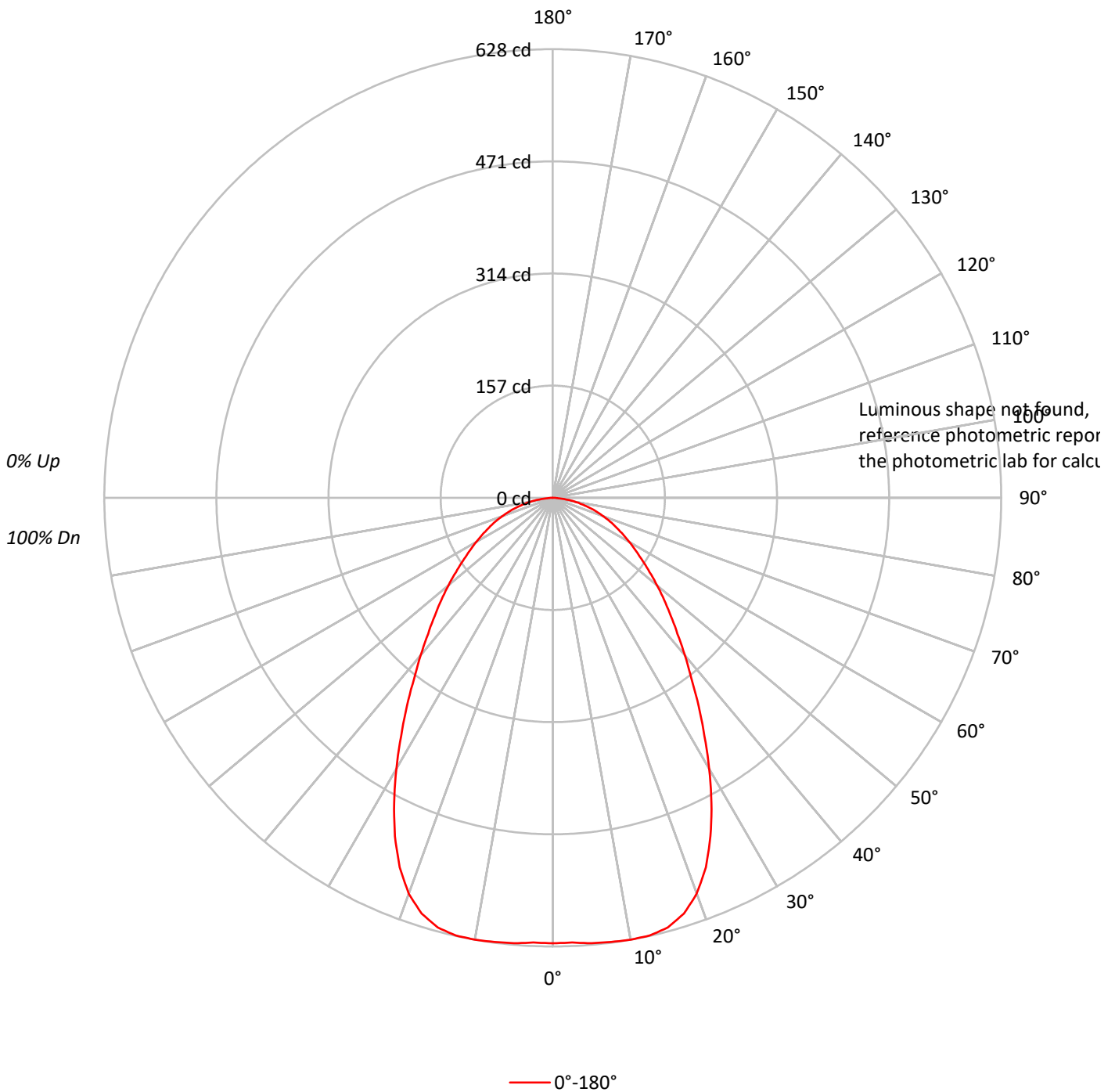
Summary

Lumens per Lamp: 1800 (2 lamps)
Luminaire Lumens: 1183.1 lumens
Efficiency: 32.9%
Efficacy: 21.1 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.1
Luminous Opening: (L: 0 ' x W: -0.53 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 56
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



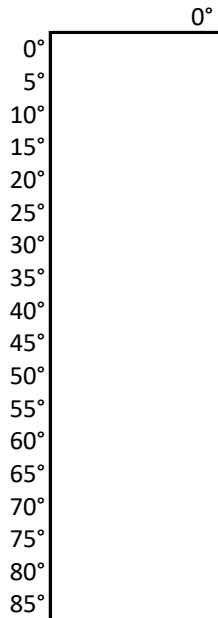


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	59.8	5.1	1.7
10°-20°	174.4	14.7	4.8
20°-30°	238.3	20.1	6.6
30°-40°	223.2	18.9	6.2
40°-50°	181.6	15.3	5.0
50°-60°	138.4	11.7	3.8
60°-70°	97.8	8.3	2.7
70°-80°	56.0	4.7	1.6
80°-90°	13.5	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°	472.6	39.9	13.1
0°-40°	695.7	58.8	19.3
0°-60°	1015.7	85.8	28.2
0°-90°	1183.1	100.0	32.9
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°	1183.1	100.0	32.9

CANDELA DISTRIBUTION:

	0°	Flux
0°	624	
5°	626	60
15°	623	174
25°	523	238
35°	356	223
45°	234	182
55°	153	138
65°	98	98
75°	53	56
85°	9	13
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°	623.5
2.5°	623.1
5°	625.8
7.5°	627.1
10°	627.9
12.5°	627.5
15°	622.6
17.5°	610.3
20°	589.5
22.5°	559.9
25°	522.7
27.5°	481.4
30°	438.0
32.5°	395.2
35°	355.9
37.5°	318.8
40°	287.6
42.5°	258.4
45°	234.0
47.5°	211.4
50°	190.7
52.5°	171.0
55°	153.4
57.5°	137.8
60°	123.8
62.5°	110.8
65°	98.2
67.5°	86.9
70°	75.4
72.5°	64.3
75°	52.8
77.5°	41.7
80°	32.0
82.5°	21.5
85°	8.7
87.5°	3.6
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)