

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: H24030

Luminaire Tested: **H2-F-126GP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H24030
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2-F-126GP
Description: HALO 10" SQ. RECESSED DOWNLIGHT
WHITE REFLECTOR - GLASS STEP DROP LENS
Light Source: (2) 26WQT 26 WATTS 1800 LUMENS EACH
13mm QUAD TUBE COMPACT FLUORESCENT
Ballast/Driver: -

Summary

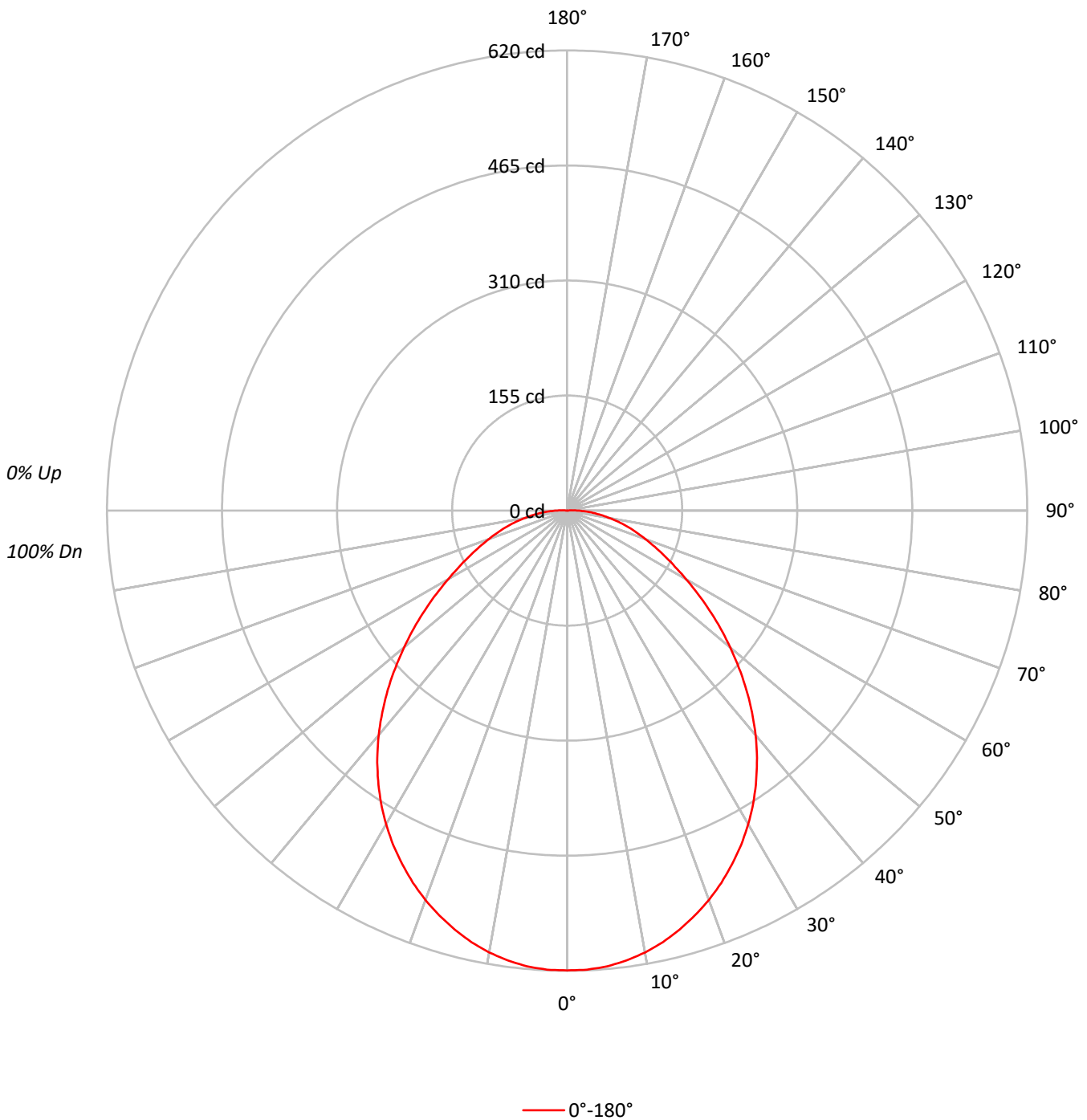
Lumens per Lamp: 1800 (2 lamps)
Luminaire Lumens: 1491.9 lumens
Efficiency: 41.4%
Efficacy: 26.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.27
Luminous Opening: Rectangular w/ Sides (W: 0.8' x L: 0.8' x H: 0.03')
CIE Type: Direct

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	49	49	49	49	48	48	48	48	46	46	46	44	44	44	42	42	42	41
1	45	43	41	40	44	42	41	39	40	39	38	39	38	37	37	36	36	35
2	41	38	35	33	40	37	35	33	36	34	32	34	33	31	33	32	30	29
3	38	34	30	28	37	33	30	27	32	29	27	31	28	26	29	28	26	25
4	35	30	26	24	34	29	26	24	28	26	23	27	25	23	27	24	23	22
5	32	27	23	21	31	26	23	21	26	23	20	25	22	20	24	22	20	19
6	30	24	21	18	29	24	21	18	23	20	18	23	20	18	22	19	18	17
7	28	22	19	16	27	22	19	16	21	18	16	21	18	16	20	18	16	15
8	26	20	17	15	25	20	17	14	19	17	14	19	16	14	18	16	14	13
9	24	19	15	13	24	18	15	13	18	15	13	18	15	13	17	15	13	12
10	23	17	14	12	22	17	14	12	17	14	12	16	14	12	16	14	12	11

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	10421
5°	10374
10°	10258
15°	10078
20°	9858
25°	9590
30°	9276
35°	8885
40°	8410
45°	7834
50°	7178
55°	6510
60°	5843
65°	5337
70°	5006
75°	4805
80°	4648
85°	4741



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	58.5	3.9	1.6
10°-20°	164.7	11.0	4.6
20°-30°	242.0	16.2	6.7
30°-40°	277.3	18.6	7.7
40°-50°	263.2	17.6	7.3
50°-60°	209.7	14.1	5.8
60°-70°	144.8	9.7	4.0
70°-80°	89.3	6.0	2.5
80°-90°	38.6	2.6	1.1
90°-100°	4.0	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°	465.2	31.2	12.9
0°-40°	742.4	49.8	20.6
0°-60°	1215.3	81.5	33.8
0°-90°	1488.0	99.7	41.3
90°-120°	4.0	0.3	0.1
90°-150°	4.0	0.3	0.1
90°-180°	4.0	0.3	0.1
0°-180°	1491.9	100.0	41.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	620	
5°	616	58
15°	585	165
25°	526	242
35°	444	277
45°	342	263
55°	234	210
65°	145	145
75°	84	89
85°	35	33
90°	14	8
95°	1	1
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°	619.6
2.5°	619.1
5°	616.5
7.5°	611.5
10°	604.6
12.5°	595.6
15°	584.6
17.5°	572.1
20°	558.3
22.5°	542.8
25°	525.8
27.5°	507.6
30°	488.0
32.5°	466.9
35°	444.1
37.5°	420.3
40°	395.1
42.5°	368.7
45°	341.7
47.5°	314.0
50°	286.6
52.5°	260.2
55°	233.9
57.5°	208.8
60°	185.0
62.5°	163.9
65°	144.9
67.5°	127.8
70°	112.3
72.5°	97.9
75°	84.3
77.5°	71.0
80°	58.2
82.5°	46.0
85°	35.1
87.5°	24.3
90°	14.5
92.5°	6.4
95°	0.8
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)