

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: H24029

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H24029
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2-F-126P
Description: HALO 10" SQ. RECESSED DOWNLIGHT
WHITE REFLECTOR - PLASTIC STEP DROP LENS
Light Source: (2) 26WQT 26 WATTS 1800 LUMENS EACH
13mm QUAD TUBE COMPACT FLUORESCENT
Ballast/Driver: -

Summary

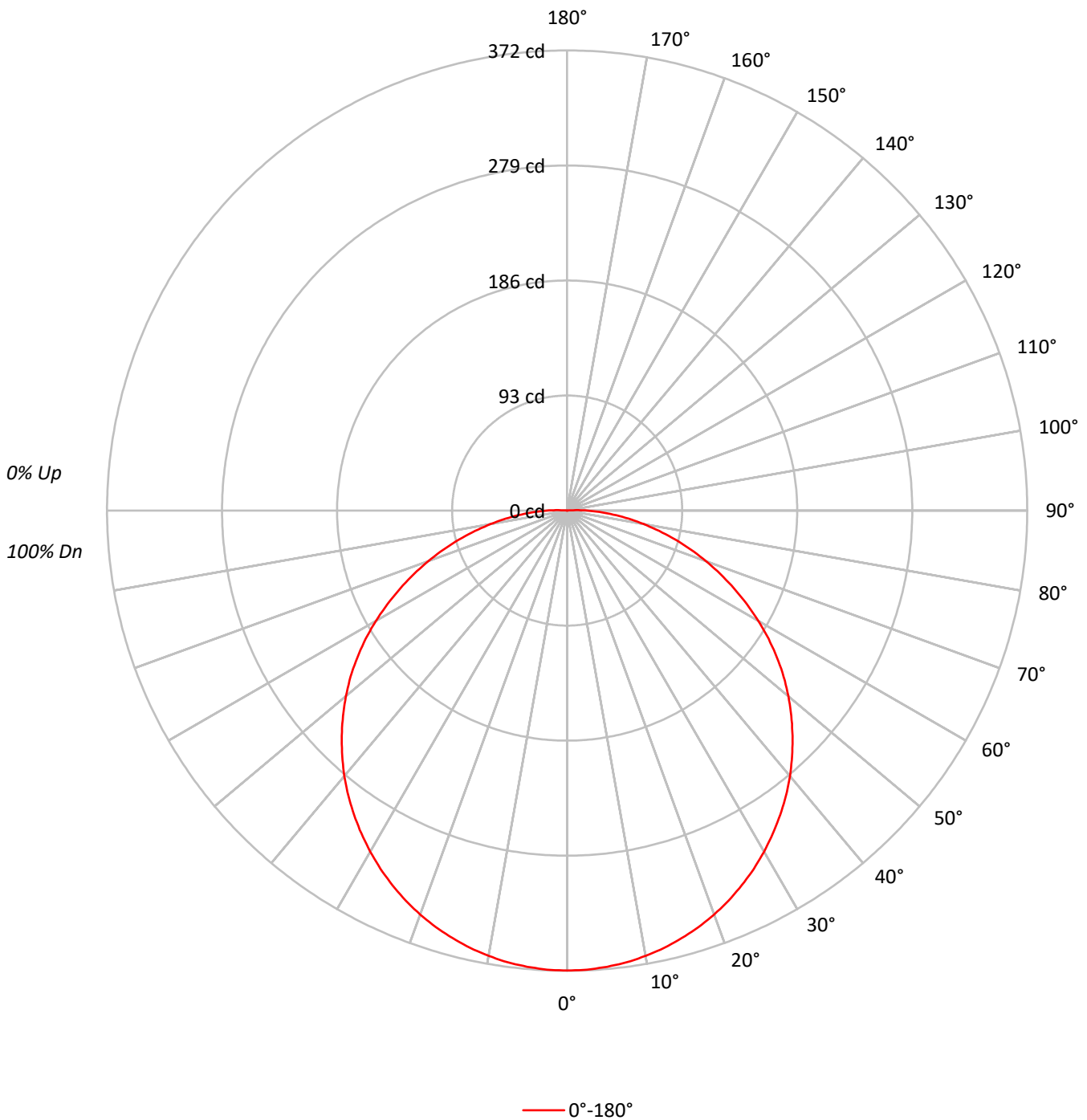
Lumens per Lamp: 1800 (2 lamps)
Luminaire Lumens: 1151.7 lumens
Efficiency: 32.0%
Efficacy: 20.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.8' x L: 0.8' x H: 0.04')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6253
5°	6223
10°	6187
15°	6148
20°	6107
25°	6061
30°	6010
35°	5957
40°	5904
45°	5838
50°	5766
55°	5668
60°	5529
65°	5352
70°	5158
75°	4962
80°	4731
85°	4593



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	35.2	3.1	1.0
10°-20°	101.0	8.8	2.8
20°-30°	154.1	13.4	4.3
30°-40°	188.0	16.3	5.2
40°-50°	198.8	17.3	5.5
50°-60°	185.0	16.1	5.1
60°-70°	147.4	12.8	4.1
70°-80°	95.7	8.3	2.7
80°-90°	41.6	3.6	1.2
90°-100°	4.8	0.4	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°	290.3	25.2	8.1
0°-40°	478.3	41.5	13.3
0°-60°	862.1	74.9	23.9
0°-90°	1146.9	99.6	31.9
90°-120°	4.8	0.4	0.1
90°-150°	4.8	0.4	0.1
90°-180°	5.0	0.4	0.1
0°-180°	1151.7	100.0	32.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	372	
5°	370	35
15°	358	101
25°	334	154
35°	300	188
45°	258	199
55°	207	185
65°	149	147
75°	91	96
85°	37	36
90°	16	9
95°	1	2
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°	371.8
2.5°	371.5
5°	370.2
7.5°	368.4
10°	365.5
12.5°	362.2
15°	357.8
17.5°	353.1
20°	347.4
22.5°	341.3
25°	334.2
27.5°	326.6
30°	318.4
32.5°	309.6
35°	300.3
37.5°	290.6
40°	280.2
42.5°	269.2
45°	257.7
47.5°	245.8
50°	233.5
52.5°	220.7
55°	207.1
57.5°	193.1
60°	178.6
62.5°	163.7
65°	148.9
67.5°	134.0
70°	119.3
72.5°	104.9
75°	90.6
77.5°	76.2
80°	62.7
82.5°	49.9
85°	37.4
87.5°	26.0
90°	16.5
92.5°	7.3
95°	1.4
97.5°	0.6
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)