

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: H24056

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H24056
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2-ICF-126P
Description: HALO 10" SQ. RECESSED DOWNLIGHT
WHITE REFLECTOR - PLASTIC STEP DROP LENS
Light Source: (2) 18WQT/4P 18 WATTS 1250 LUMENS EACH
13mm QUAD TUBE COMPACT FLUORESCENT - 4 PIN BASE
Ballast/Driver: -

Summary

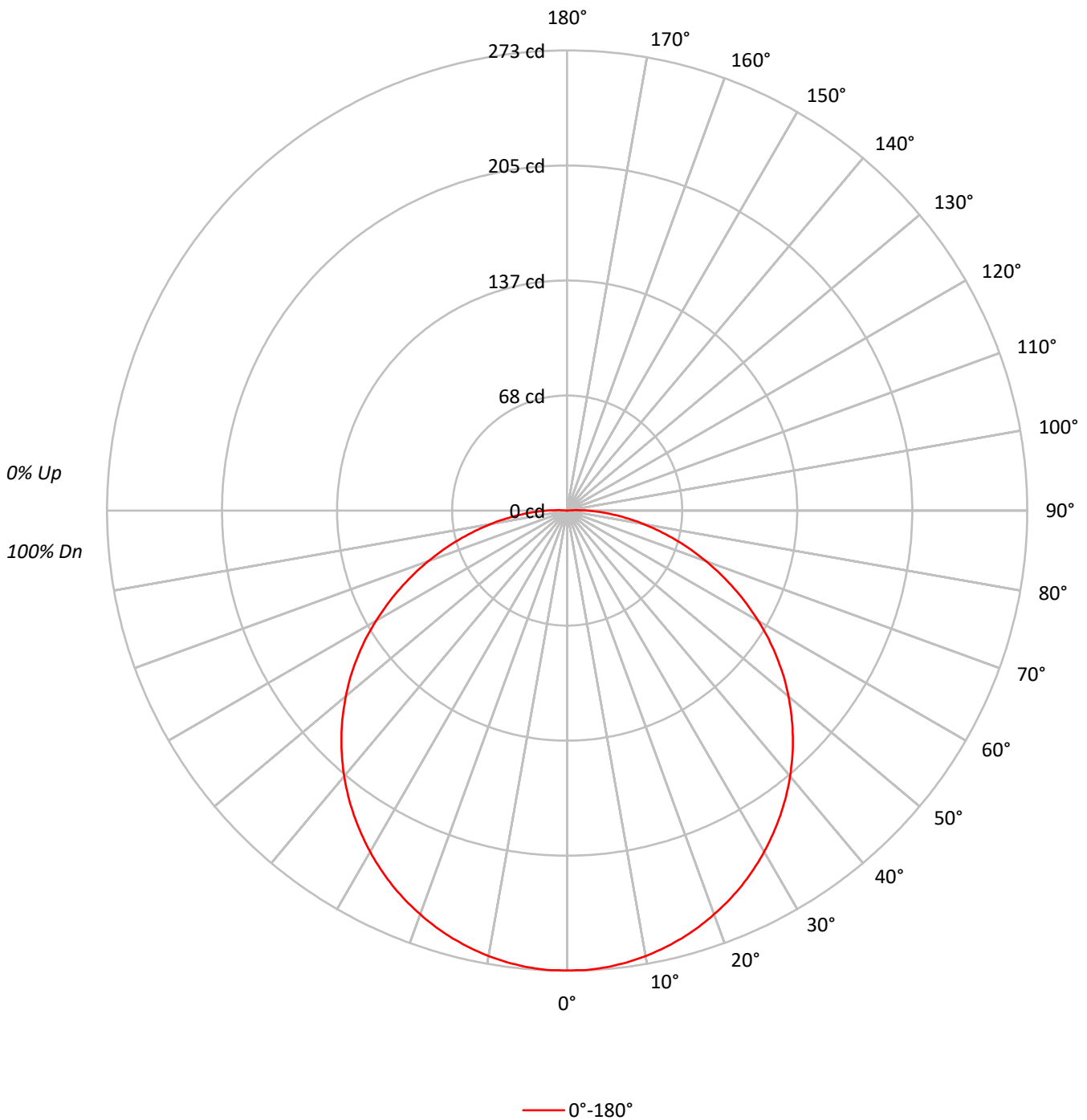
Lumens per Lamp: 1250 (2 lamps)
Luminaire Lumens: 845.3 lumens
Efficiency: 33.8%
Efficacy: 22.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.8' x L: 0.8' x H: 0.03')
CIE Type: Direct

Input Watts (W): 38
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	40	40	40	40	39	39	39	39	37	37	37	36	36	36	34	34	34	34
1	36	35	33	32	35	34	32	31	32	31	30	31	30	29	30	29	28	27
2	33	30	28	25	32	29	27	25	28	26	25	27	25	24	26	25	23	23
3	30	26	23	21	29	26	23	21	25	22	20	24	22	20	23	21	20	19
4	27	23	20	18	27	23	20	18	22	19	17	21	19	17	20	18	17	16
5	25	21	17	15	24	20	17	15	19	17	15	19	16	15	18	16	14	14
6	23	19	15	13	22	18	15	13	18	15	13	17	15	13	16	14	13	12
7	21	17	14	12	21	16	14	12	16	13	11	15	13	11	15	13	11	11
8	20	15	12	10	19	15	12	10	15	12	10	14	12	10	14	12	10	9
9	19	14	11	9	18	14	11	9	13	11	9	13	11	9	13	11	9	8
10	17	13	10	8	17	13	10	8	12	10	8	12	10	8	12	10	8	8

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4588
5°	4575
10°	4554
15°	4529
20°	4501
25°	4476
30°	4444
35°	4413
40°	4381
45°	4342
50°	4293
55°	4230
60°	4138
65°	4026
70°	3901
75°	3779
80°	3690
85°	3715



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	25.8	3.1	1.0
10°-20°	74.2	8.8	3.0
20°-30°	113.1	13.4	4.5
30°-40°	138.0	16.3	5.5
40°-50°	146.1	17.3	5.8
50°-60°	135.8	16.1	5.4
60°-70°	108.2	12.8	4.3
70°-80°	70.2	8.3	2.8
80°-90°	30.6	3.6	1.2
90°-100°	3.3	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°	213.1	25.2	8.5
0°-40°	351.1	41.5	14.0
0°-60°	633.0	74.9	25.3
0°-90°	842.0	99.6	33.7
90°-120°	3.3	0.4	0.1
90°-150°	3.3	0.4	0.1
90°-180°	3.0	0.4	0.1
0°-180°	845.3	100.0	33.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	273	
5°	272	26
15°	263	74
25°	245	113
35°	221	138
45°	189	146
55°	152	136
65°	109	108
75°	66	70
85°	28	26
90°	12	7
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°	272.8
2.5°	272.8
5°	271.9
7.5°	270.4
10°	268.4
12.5°	265.8
15°	262.7
17.5°	259.1
20°	254.9
22.5°	250.4
25°	245.4
27.5°	239.8
30°	233.8
32.5°	227.3
35°	220.6
37.5°	213.4
40°	205.8
42.5°	197.8
45°	189.4
47.5°	180.6
50°	171.4
52.5°	162.0
55°	152.0
57.5°	141.7
60°	131.0
62.5°	120.2
65°	109.3
67.5°	98.4
70°	87.5
72.5°	76.8
75°	66.3
77.5°	55.9
80°	46.2
82.5°	36.5
85°	27.5
87.5°	19.2
90°	12.2
92.5°	5.3
95°	0.6
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)