

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: H24057

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H24057
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2-ICF-126PG
Description: HALO 10" SQ. RECESSED DOWNLIGHT
WHITE REFLECTOR - GLASS STEP DROP LENS
Light Source: (2) 18WQT/4P 18 WATTS 1250 LUMENS EACH
13mm QUAD TUBE COMPACT FLUORESCENT - 4 PIN BASE
Ballast/Driver: -

Summary

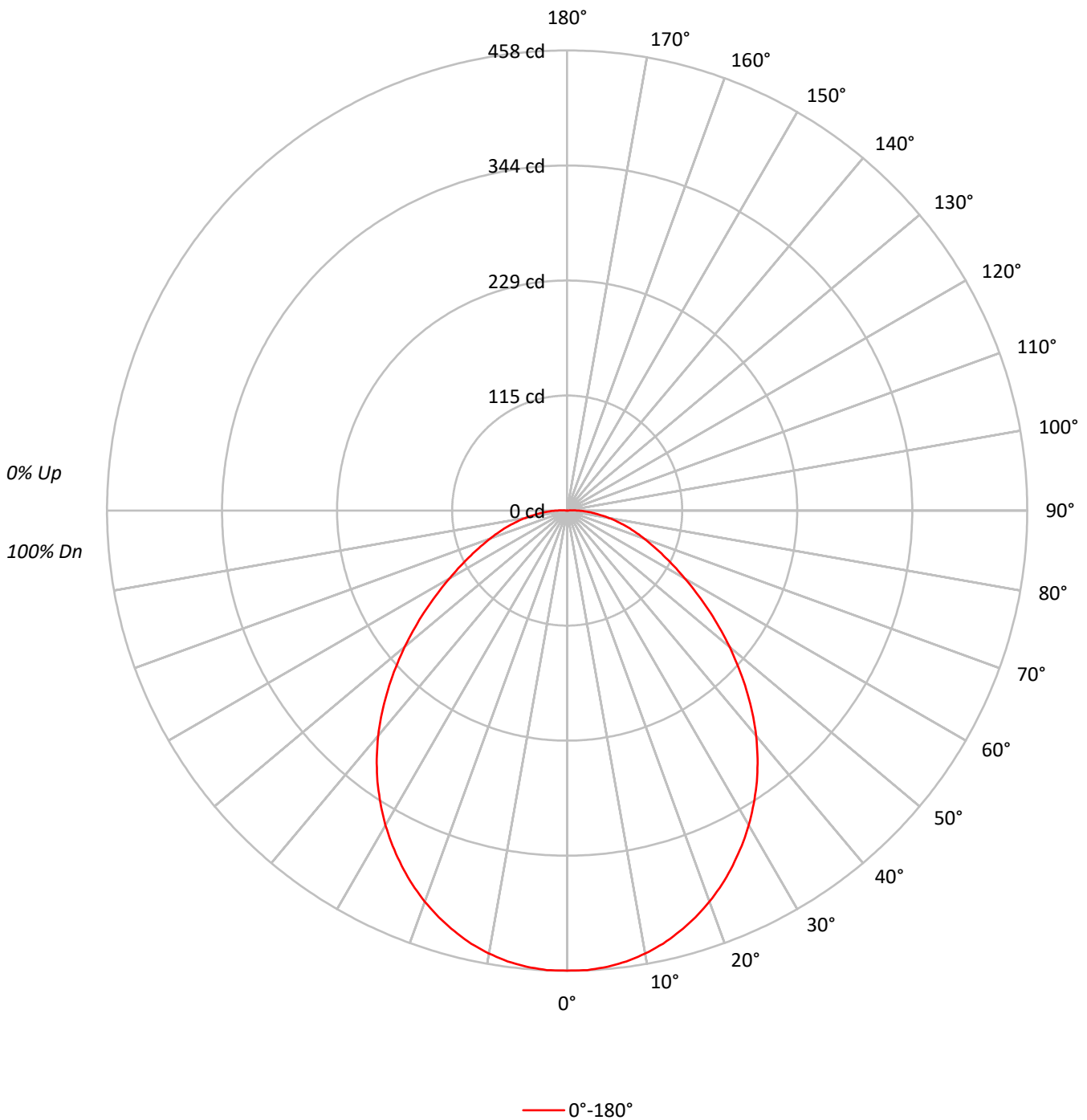
Lumens per Lamp: 1250 (2 lamps)
Luminaire Lumens: 1099.4 lumens
Efficiency: 44.0%
Efficacy: 28.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.27
Luminous Opening: Rectangular w/ Sides (W: 0.8' x L: 0.8' x H: 0.03')
CIE Type: Direct

Input Watts (W): 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	52	52	52	52	51	51	51	51	49	49	49	47	47	47	45	45	45	44
1	48	46	44	42	47	45	43	42	43	42	40	41	40	39	40	39	38	37
2	44	40	37	35	43	40	37	35	38	36	34	36	35	33	35	34	32	31
3	40	36	32	30	39	35	32	29	34	31	29	32	30	28	31	29	28	27
4	37	32	28	25	36	31	28	25	30	27	25	29	27	24	28	26	24	23
5	34	29	25	22	33	28	25	22	27	24	22	26	24	21	26	23	21	20
6	32	26	22	19	31	26	22	19	25	22	19	24	21	19	23	21	19	18
7	29	24	20	17	29	23	20	17	23	19	17	22	19	17	21	19	17	16
8	27	22	18	16	27	21	18	15	21	18	15	20	17	15	20	17	15	14
9	26	20	16	14	25	20	16	14	19	16	14	19	16	14	18	16	14	13
10	24	18	15	13	24	18	15	13	18	15	13	17	15	13	17	14	13	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7701
5°	7672
10°	7596
15°	7473
20°	7314
25°	7111
30°	6874
35°	6586
40°	6228
45°	5784
50°	5285
55°	4762
60°	4274
65°	3893
70°	3638
75°	3489
80°	3370
85°	3431



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	43.3	3.9	1.7
10°-20°	122.1	11.1	4.9
20°-30°	179.4	16.3	7.2
30°-40°	205.4	18.7	8.2
40°-50°	194.4	17.7	7.8
50°-60°	153.5	14.0	6.1
60°-70°	105.6	9.6	4.2
70°-80°	64.9	5.9	2.6
80°-90°	27.8	2.5	1.1
90°-100°	2.9	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°	344.8	31.4	13.8
0°-40°	550.3	50.1	22.0
0°-60°	898.2	81.7	35.9
0°-90°	1096.4	99.7	43.9
90°-120°	2.9	0.3	0.1
90°-150°	2.9	0.3	0.1
90°-180°	3.0	0.3	0.1
0°-180°	1099.4	100.0	44.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	458	
5°	456	43
15°	434	122
25°	390	179
35°	329	205
45°	252	194
55°	171	154
65°	106	106
75°	61	65
85°	25	24
90°	11	6
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°	457.9
2.5°	457.8
5°	455.9
7.5°	452.6
10°	447.7
12.5°	441.5
15°	433.5
17.5°	424.5
20°	414.2
22.5°	402.8
25°	389.9
27.5°	376.2
30°	361.6
32.5°	345.7
35°	329.2
37.5°	311.4
40°	292.6
42.5°	272.8
45°	252.3
47.5°	231.5
50°	211.0
52.5°	190.8
55°	171.1
57.5°	152.4
60°	135.3
62.5°	119.7
65°	105.7
67.5°	93.0
70°	81.6
72.5°	71.2
75°	61.2
77.5°	51.5
80°	42.2
82.5°	32.8
85°	25.4
87.5°	17.6
90°	10.6
92.5°	4.8
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)