

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: 267P105

Luminaire Tested: **H285E-26TTT-406WB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: 267P105  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H285E-26TTT-406WB  
Description: HALO 6" RECESSED ROUND DOWNLIGHT, 26CF WITH WHITE BAFFLE REFLECTOR  
Light Source: ONE - CF26DT/E/830 - 1800 LUMENS - 26 WATTS  
Ballast/Driver: QTP2X26CF/UNV

**Summary**

Lumens per Lamp: 1800 (1 lamp)  
Luminaire Lumens: 1293.7 lumens  
Efficiency: 71.9%  
Efficacy: 47.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.4 / 1.35  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

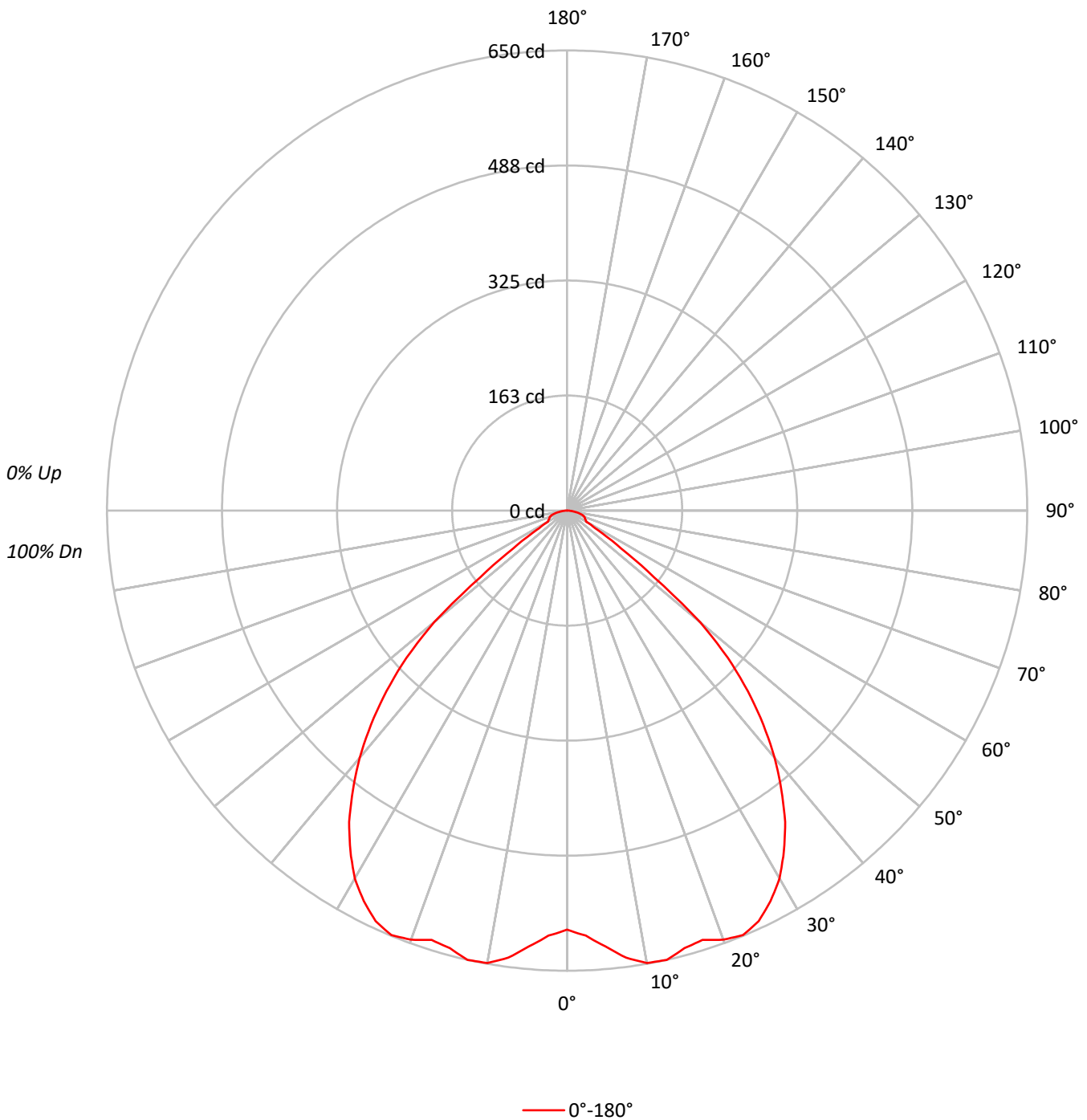
Input Watts (W): 27  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: 267P105

CATALOG NUMBER: H285E-26TTT-406WB

### 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	86	86	86	86	84	84	84	84	80	80	80		76	76	76		73	73	73	72
1	80	78	75	73	78	76	74	72	73	71	70		70	69	68		68	67	66	64
2	75	70	67	63	73	69	66	63	67	64	61		64	62	60		62	60	59	57
3	70	64	59	55	68	63	58	55	61	57	54		59	56	53		57	54	52	51
4	65	58	53	49	63	57	52	49	55	51	48		54	50	47		52	49	47	45
5	60	53	47	43	59	52	47	43	51	46	43		49	45	42		48	45	42	41
6	56	48	43	39	55	48	42	39	46	42	38		45	41	38		44	41	38	37
7	53	44	39	35	51	44	38	35	43	38	35		42	38	34		41	37	34	33
8	49	41	35	32	48	40	35	32	39	35	31		38	34	31		38	34	31	30
9	46	38	32	29	45	37	32	29	36	32	29		36	31	28		35	31	28	27
10	43	35	30	26	43	34	30	26	34	29	26		33	29	26		33	29	26	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	35337
5°	37030
10°	39337
15°	39550
20°	40971
25°	42151
30°	41355
35°	39131
40°	35532
45°	30474
50°	22751
55°	9678
60°	3701
65°	3955
70°	4538
75°	4843
80°	4125
85°	3424



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	60.0	4.6	3.3
10°-20°	182.1	14.1	10.1
20°-30°	292.5	22.6	16.3
30°-40°	333.1	25.7	18.5
40°-50°	274.6	21.2	15.3
50°-60°	96.2	7.4	5.3
60°-70°	28.1	2.2	1.6
70°-80°	21.4	1.7	1.2
80°-90°	5.7	0.4	0.3
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°	534.7	41.3	29.7
0°-40°	867.7	67.1	48.2
0°-60°	1238.5	95.7	68.8
0°-90°	1293.7	100.0	71.9
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°	1293.7	100.0	71.9

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	592	
5°	618	60
15°	640	182
25°	640	293
35°	537	333
45°	361	275
55°	93	96
65°	28	28
75°	21	21
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	592
2.5°	601
5°	618
7.5°	637
10°	649
12.5°	650
15°	640
17.5°	636
20°	645
22.5°	649
25°	640
27.5°	622
30°	600
32.5°	570
35°	537
37.5°	497
40°	456
42.5°	410
45°	361
47.5°	308
50°	245
52.5°	155
55°	93
57.5°	51
60°	31
62.5°	30
65°	28
67.5°	27
70°	26
72.5°	24
75°	21
77.5°	17
80°	12
82.5°	8
85°	5
87.5°	2
90°	0

(END OF REPORT)