

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: 267p106

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 267p106
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: 1194.3 lumens
Efficiency: 66.3%
Efficacy: 44.2 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.38 / 1.32
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

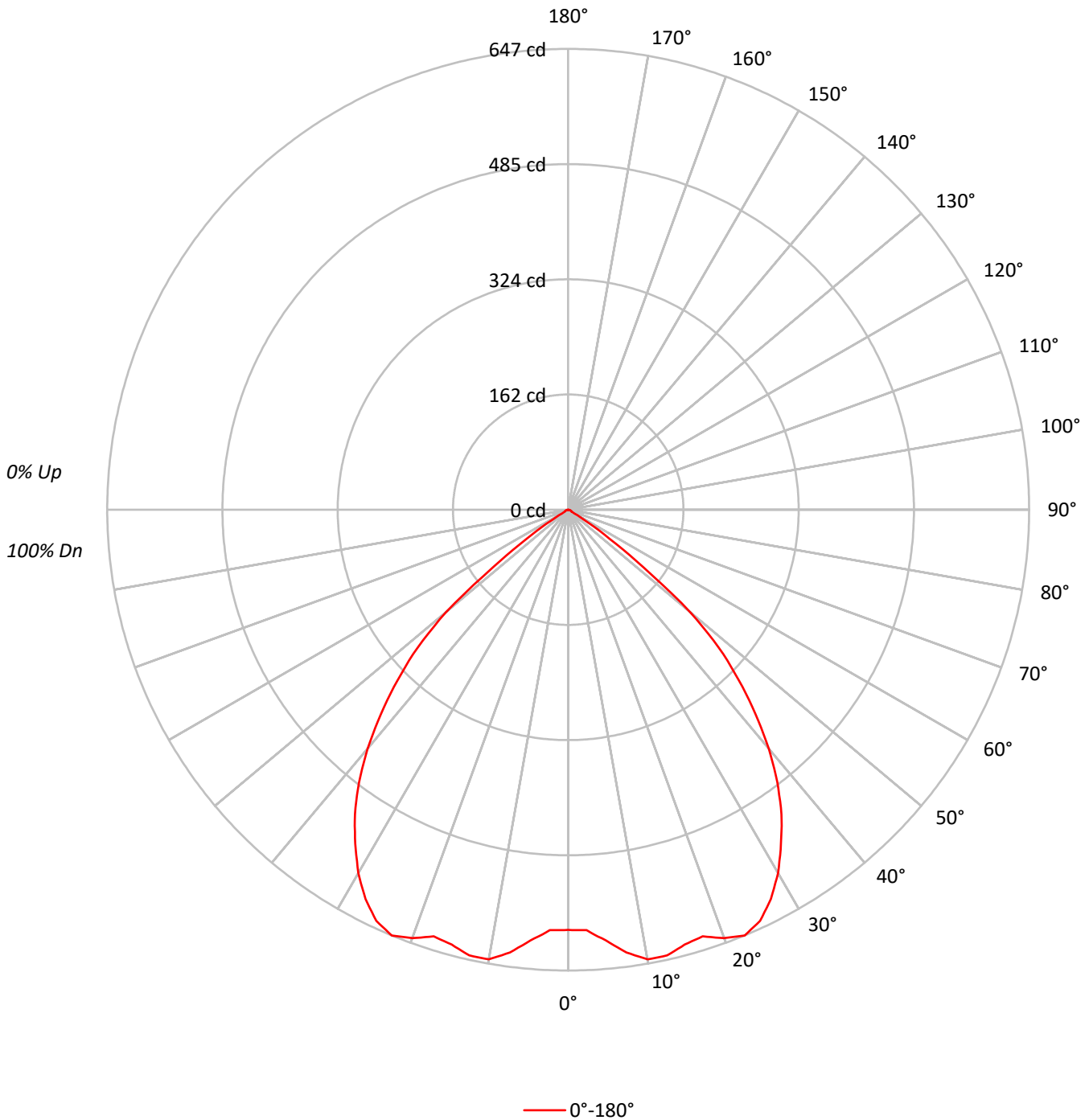
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	79	79	79	79	77	77	77	77	74	74	74		71	71	71		68	68	68	66
1	75	72	70	69	73	71	69	68	68	67	66		66	65	64		63	63	62	60
2	70	66	63	60	68	65	62	59	63	60	58		61	59	57		59	57	56	54
3	65	60	56	53	64	59	55	52	57	54	52		56	53	51		54	52	50	49
4	61	55	50	47	60	54	50	47	52	49	46		51	48	45		50	47	45	44
5	57	50	45	42	56	49	45	42	48	44	41		47	44	41		46	43	40	39
6	53	46	41	38	52	45	41	37	44	40	37		43	40	37		42	39	37	35
7	50	42	37	34	49	42	37	34	41	37	34		40	36	33		39	36	33	32
8	47	39	34	31	46	38	34	31	38	34	31		37	33	30		36	33	30	29
9	44	36	31	28	43	36	31	28	35	31	28		34	30	28		34	30	28	27
10	41	33	29	26	40	33	29	26	32	28	26		32	28	25		31	28	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35218
5°	36371
10°	38852
15°	39055
20°	40654
25°	41954
30°	40597
35°	38038
40°	34129
45°	28617
50°	20801
55°	7389
60°	716
65°	706
70°	698
75°	461
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	59.1	5.0	3.3
10°-20°	179.9	15.1	10.0
20°-30°	290.2	24.3	16.1
30°-40°	323.8	27.1	18.0
40°-50°	258.4	21.6	14.4
50°-60°	76.0	6.4	4.2
60°-70°	4.7	0.4	0.3
70°-80°	2.1	0.2	0.1
80°-90°	0.0	0.0	0.0
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°	529.3	44.3	29.4
0°-40°	853.1	71.4	47.4
0°-60°	1187.5	99.4	66.0
0°-90°	1194.3	100.0	66.3
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°	1194.3	100.0	66.3

CANDELA DISTRIBUTION:

	0°	Flux
0°	590	
5°	607	59
15°	632	180
25°	637	290
35°	522	324
45°	339	258
55°	71	76
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	590
2.5°	591
5°	607
7.5°	627
10°	641
12.5°	641
15°	632
17.5°	628
20°	640
22.5°	647
25°	637
27.5°	616
30°	589
32.5°	556
35°	522
37.5°	482
40°	438
42.5°	389
45°	339
47.5°	287
50°	224
52.5°	133
55°	71
57.5°	28
60°	6
62.5°	5
65°	5
67.5°	4
70°	4
72.5°	3
75°	2
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)