

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: 267p117

Luminaire Tested: **H285E-26TTT-425P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 267p117
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H285E-26TTT-425P
Description: HALO 6" RECESSED ROUND DOWNLIGHT, 26CF WITH CLEAR SPECULAR REFLECTOR, WHITE SPLAY
Light Source: ONE - CF26DT/E/830 - 1800 LUMENS - 26 WATTS
Ballast/Driver: QTP2X26CF/UNV

Summary

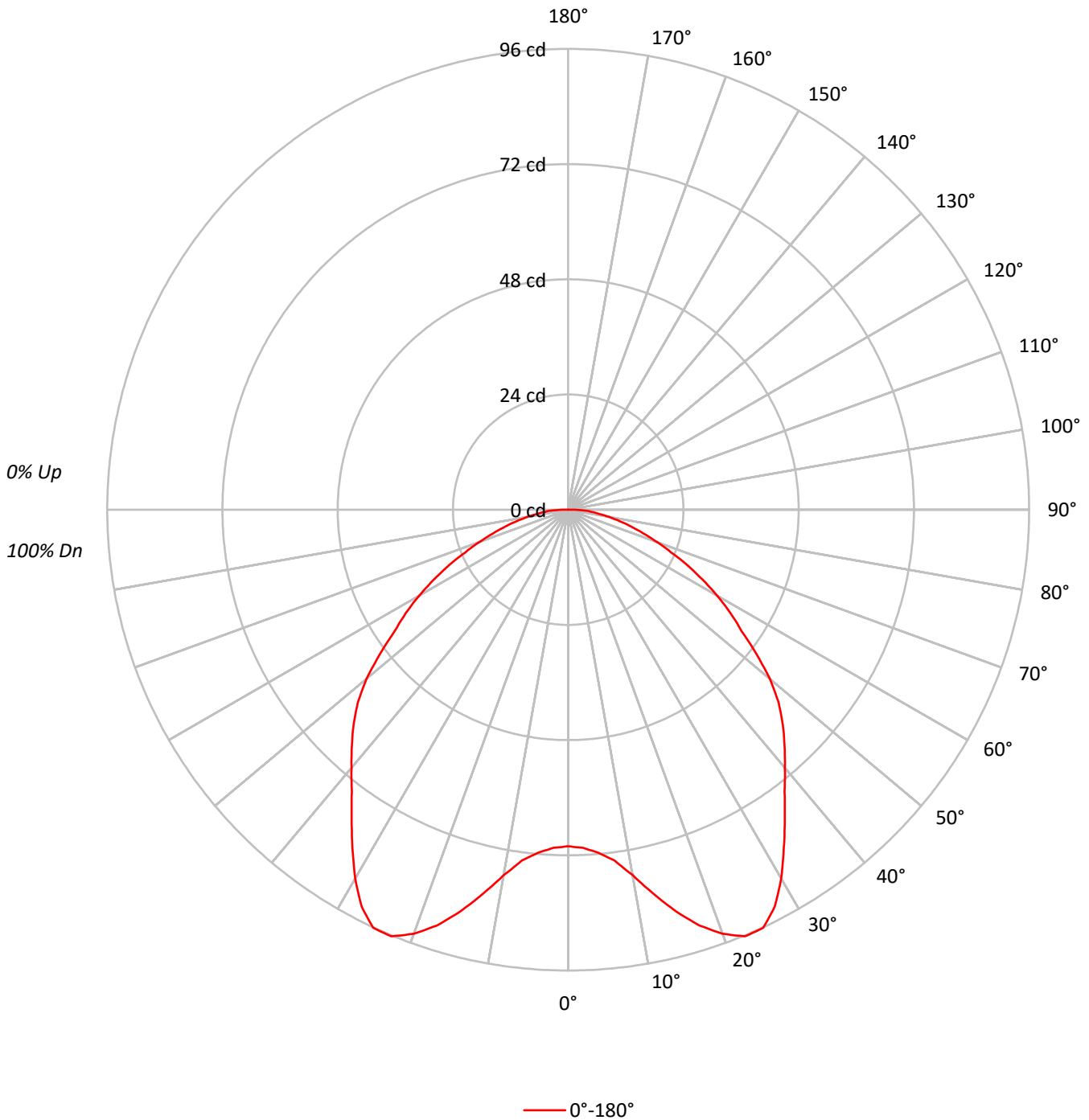
Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 259.9 lumens
Efficiency: 14.4%
Efficacy: 9.6 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1.58 / 1.57
Luminous Opening: Vertical Cylinder (Dia: 0.25' x H: 0.06')
CIE Type: Direct

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	17	17	17	17	17	17	17	17	16	16	16	15	15	15	15	15	15	14
1	16	15	14	14	15	15	14	14	14	14	13	14	13	13	13	13	13	12
2	14	13	12	11	14	13	12	11	12	12	11	12	11	11	12	11	11	10
3	13	12	11	10	13	11	10	9	11	10	9	11	10	9	10	10	9	9
4	12	10	9	8	12	10	9	8	10	9	8	9	9	8	9	8	8	7
5	11	9	8	7	11	9	8	7	9	8	7	9	8	7	8	7	7	6
6	10	8	7	6	10	8	7	6	8	7	6	8	7	6	7	7	6	6
7	9	8	6	5	9	7	6	5	7	6	5	7	6	5	7	6	5	5
8	9	7	6	5	9	7	6	5	7	6	5	6	5	5	6	5	5	4
9	8	6	5	4	8	6	5	4	6	5	4	6	5	4	6	5	4	4
10	8	6	5	4	8	6	5	4	6	5	4	5	5	4	5	4	4	4

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	15372
5°	15355
10°	16297
15°	18115
20°	19658
25°	20246
30°	18972
35°	17206
40°	15859
45°	14867
50°	13553
55°	11591
60°	10121
65°	8449
70°	6738
75°	5266
80°	3826
85°	2549



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	7.0	2.7	0.4
10°-20°	24.7	9.5	1.4
20°-30°	43.5	16.7	2.4
30°-40°	49.3	19.0	2.7
40°-50°	48.6	18.7	2.7
50°-60°	40.0	15.4	2.2
60°-70°	27.2	10.4	1.5
70°-80°	14.5	5.6	0.8
80°-90°	5.1	2.0	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°	75.2	28.9	4.2
0°-40°	124.6	47.9	6.9
0°-60°	213.1	82.0	11.8
0°-90°	259.9	100.0	14.4
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°	259.9	100.0	14.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	70	
5°	72	7
15°	87	25
25°	96	44
35°	79	49
45°	63	49
55°	44	40
65°	27	27
75°	14	15
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	70.1
2.5°	70.5
5°	71.7
7.5°	73.7
10°	77.3
12.5°	81.9
15°	86.6
17.5°	90.8
20°	94.0
22.5°	96.2
25°	96.1
27.5°	93.2
30°	88.7
32.5°	83.6
35°	78.6
37.5°	74.0
40°	70.2
42.5°	66.7
45°	63.2
47.5°	59.4
50°	54.8
52.5°	49.4
55°	44.1
57.5°	40.1
60°	35.8
62.5°	31.5
65°	27.4
67.5°	23.2
70°	19.7
72.5°	16.4
75°	13.6
77.5°	10.9
80°	8.5
82.5°	6.4
85°	4.7
87.5°	3.4
90°	0.0

(END OF REPORT)