

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: 267p107

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 267p107
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H285E-26TTT-425W
Description: HALO 6" RECESSED ROUND DOWNLIGHT, 26CF WITH WALLWASH BAFFLE REFLECTOR
Light Source: ONE - CF26DT/E/830 - 1800 LUMENS - 26 WATTS
Ballast/Driver: QTP2X26CF/UNV

Summary

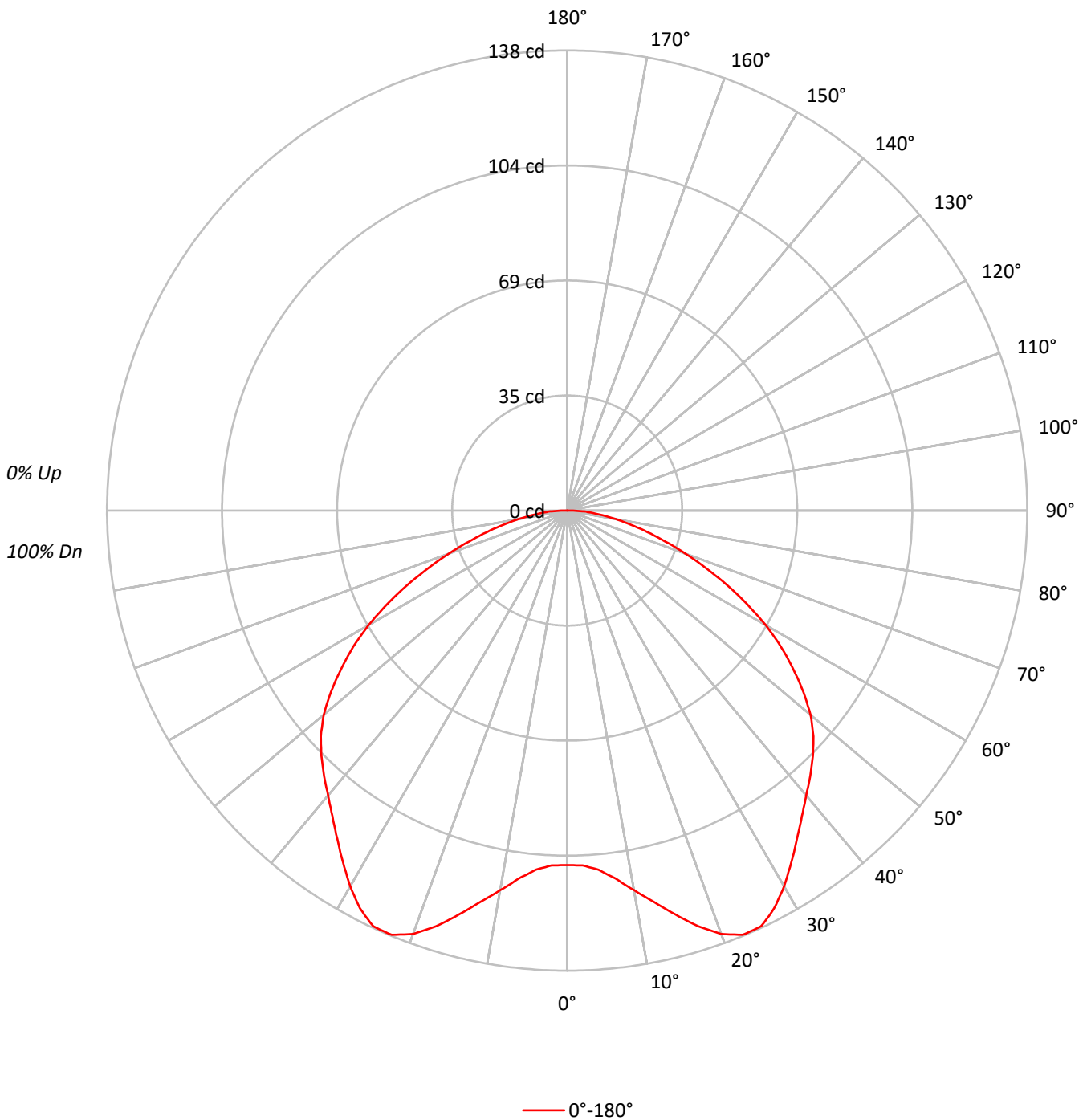
Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 426.0 lumens
Efficiency: 23.7%
Efficacy: 15.8 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 1.62 / 1.65
Luminous Opening: Vertical Cylinder (Dia: 0.25' x H: 0.06')
CIE Type: Direct

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	28	28	28	28	28	28	28	28	26	26	26	25	25	25	24	24	24	24
1	26	25	24	23	25	24	23	22	23	22	22	22	21	21	21	21	20	20
2	23	21	20	18	23	21	19	18	20	19	18	19	18	17	19	18	17	16
3	21	19	17	15	21	18	17	15	18	16	15	17	16	15	16	15	14	14
4	19	17	14	13	19	16	14	13	16	14	13	15	14	12	15	13	12	12
5	18	15	13	11	17	14	12	11	14	12	11	13	12	11	13	12	11	10
6	16	13	11	9	16	13	11	9	13	11	9	12	11	9	12	10	9	9
7	15	12	10	8	15	12	10	8	11	10	8	11	9	8	11	9	8	8
8	14	11	9	7	14	11	9	7	10	9	7	10	8	7	10	8	7	7
9	13	10	8	7	13	10	8	7	9	8	7	9	8	7	9	8	6	6
10	12	9	7	6	12	9	7	6	9	7	6	9	7	6	8	7	6	5

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23310
5°	23150
10°	24372
15°	26231
20°	28253
25°	28989
30°	27828
35°	26312
40°	25189
45°	24511
50°	23570
55°	21736
60°	19450
65°	16313
70°	12894
75°	9642
80°	6662
85°	3906



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	10.6	2.5	0.6
10°-20°	35.8	8.4	2.0
20°-30°	62.7	14.7	3.5
30°-40°	75.4	17.7	4.2
40°-50°	80.3	18.9	4.5
50°-60°	73.8	17.3	4.1
60°-70°	52.4	12.3	2.9
70°-80°	26.8	6.3	1.5
80°-90°	8.1	1.9	0.5
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°	109.1	25.6	6.1
0°-40°	184.5	43.3	10.3
0°-60°	338.7	79.5	18.8
0°-90°	426.0	100.0	23.7
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°	426.0	100.0	23.7

CANDELA DISTRIBUTION:

	0°	Flux
0°	106	
5°	108	11
15°	125	36
25°	138	63
35°	120	75
45°	104	80
55°	83	74
65°	53	52
75°	25	27
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	106.3
2.5°	106.5
5°	108.1
7.5°	111.3
10°	115.6
12.5°	120.2
15°	125.4
17.5°	130.7
20°	135.1
22.5°	137.7
25°	137.6
27.5°	134.5
30°	130.1
32.5°	125.1
35°	120.2
37.5°	115.6
40°	111.5
42.5°	107.9
45°	104.2
47.5°	100.2
50°	95.3
52.5°	89.3
55°	82.7
57.5°	76.1
60°	68.8
62.5°	60.9
65°	52.9
67.5°	45.1
70°	37.7
72.5°	30.9
75°	24.9
77.5°	19.5
80°	14.8
82.5°	10.7
85°	7.2
87.5°	4.6
90°	0.0

(END OF REPORT)