

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: 267P104

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 267P104
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H285E-26TTT-406SC
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

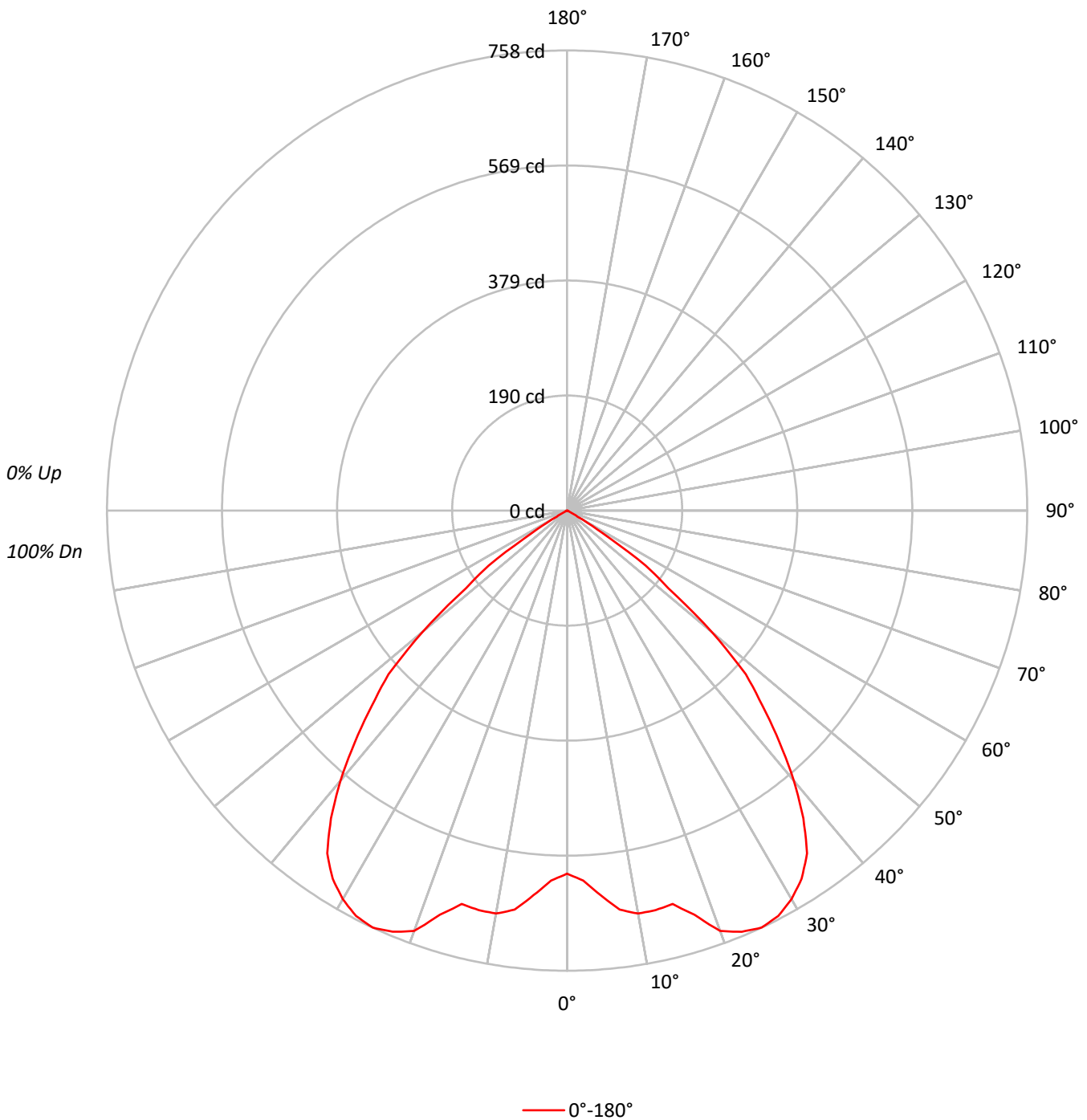
Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 1514.7 lumens
Efficiency: 84.1%
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1.58 / 1.45
Luminous Opening: Circular (Dia: 0.52' x H: 0')
CIE Type: Direct

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	100	100	100	100	98	98	98	98	93	93	93		90	90	90		86	86	86	84
1	94	92	89	87	92	90	87	85	86	84	83		83	82	80		80	79	78	76
2	88	83	79	75	86	82	78	74	79	76	73		76	74	71		74	72	70	68
3	82	75	70	66	80	74	69	65	72	68	64		70	66	63		68	65	62	61
4	76	68	63	58	75	67	62	58	65	61	57		64	60	56		62	58	56	54
5	71	62	56	51	70	61	56	51	60	55	51		58	54	50		57	53	50	48
6	66	57	50	46	65	56	50	46	55	49	45		53	49	45		52	48	45	43
7	62	52	46	41	60	51	45	41	50	45	41		49	44	40		48	44	40	39
8	58	48	41	37	56	47	41	37	46	41	37		45	40	37		44	40	36	35
9	54	44	38	34	53	43	38	34	43	37	33		42	37	33		41	36	33	32
10	51	41	35	31	50	40	34	31	39	34	30		39	34	30		38	33	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30212
5°	32255
10°	34577
15°	35096
20°	39625
25°	42255
30°	43112
35°	42495
40°	38318
45°	32509
50°	24444
55°	13917
60°	2021
65°	239
70°	148
75°	195
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	62.0	4.1	3.4
10°-20°	195.6	12.9	10.9
20°-30°	347.2	22.9	19.3
30°-40°	423.2	27.9	23.5
40°-50°	349.3	23.1	19.4
50°-60°	132.4	8.7	7.4
60°-70°	4.0	0.3	0.2
70°-80°	0.9	0.1	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°	604.8	39.9	33.6
0°-40°	1028.0	67.9	57.1
0°-60°	1509.7	99.7	83.9
0°-90°	1514.7	100.0	84.1
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°	1514.7	100.0	84.1

CANDELA DISTRIBUTION:

	0°	Flux
0°	598	
5°	636	62
15°	671	196
25°	758	347
35°	689	423
45°	455	349
55°	158	132
65°	2	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	598
2.5°	610
5°	636
7.5°	663
10°	674
12.5°	674
15°	671
17.5°	698
20°	737
22.5°	751
25°	758
27.5°	753
30°	739
32.5°	719
35°	689
37.5°	639
40°	581
42.5°	518
45°	455
47.5°	399
50°	311
52.5°	210
55°	158
57.5°	68
60°	20
62.5°	3
65°	2
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)