

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: E395716

Luminaire Tested: **H7-426**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: E395716
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7-426
Description: HALO RECESSED INC - H7 HOUSING, CLEAR SPECULAR REFLECTOR
Light Source: 75R30FL, 900 LUMENS
Ballast/Driver: -

Summary

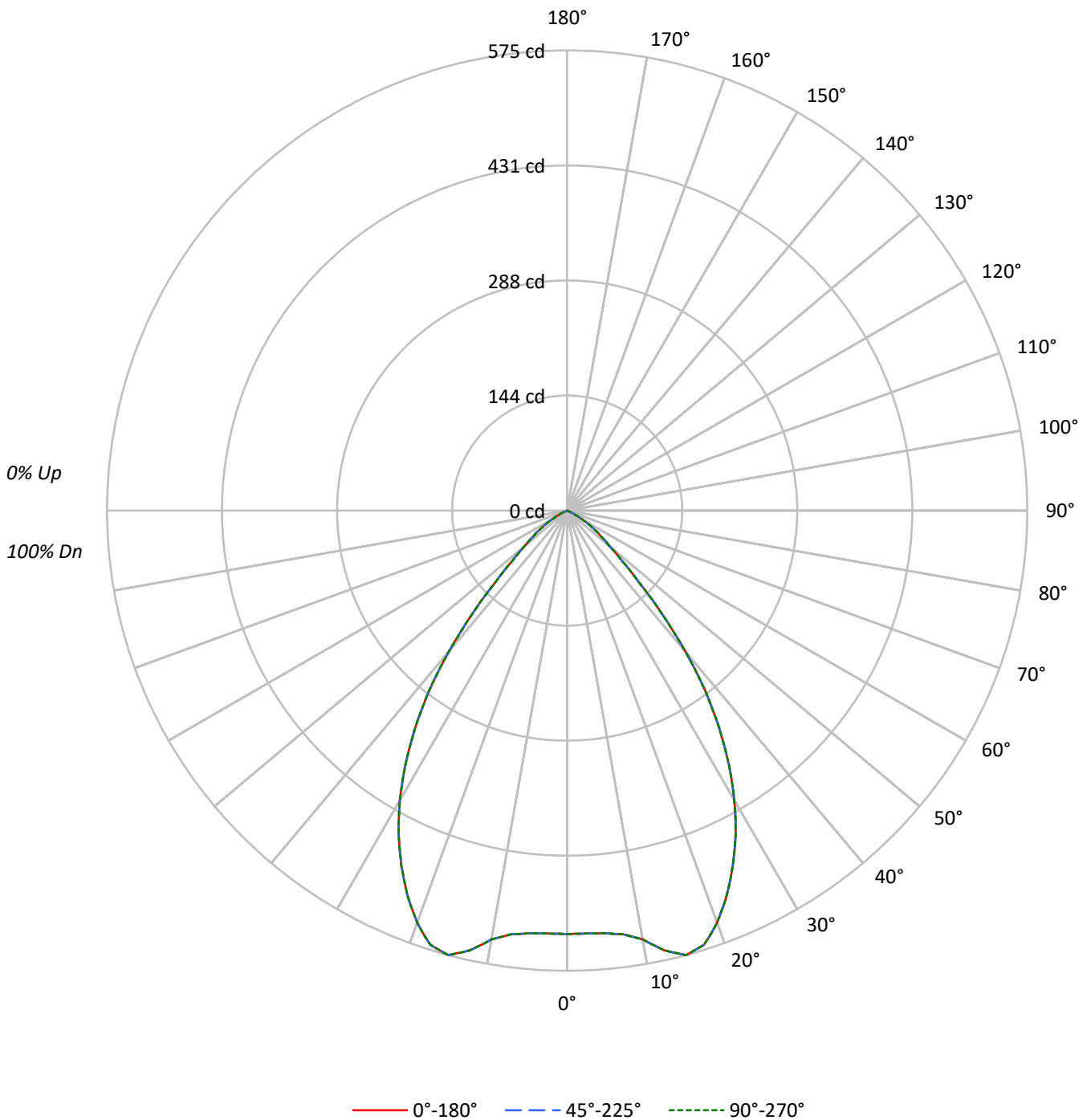
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 790.1 lumens
Efficiency: 87.8%
Efficacy: 10.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.11
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 75
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	105	105	105	105	102	102	102	102	98	98	98		93	93	93		90	90	90	88
1	99	96	94	92	97	94	92	90	91	89	87		88	86	85		84	83	82	81
2	93	88	84	81	91	87	83	80	84	81	78		81	79	77		79	77	75	74
3	88	81	76	72	86	80	75	72	78	74	71		75	72	69		73	71	68	67
4	82	75	69	65	81	74	69	65	72	67	64		70	66	63		68	65	62	61
5	77	69	63	59	76	68	63	59	66	62	58		65	61	58		64	60	57	56
6	73	64	58	54	71	63	57	53	62	57	53		60	56	53		59	55	52	51
7	68	59	53	49	67	59	53	49	57	52	49		56	52	48		55	51	48	47
8	65	55	49	45	63	55	49	45	54	48	45		53	48	45		52	47	44	43
9	61	51	46	42	60	51	45	42	50	45	41		49	45	41		48	44	41	40
10	58	48	42	39	57	48	42	38	47	42	38		46	42	38		45	41	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	Luminous shape not found,		
5°	reference photometric report, or contact		
10°	the photometric lab for calculations.		
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	51.0	6.5	5.7
10°-20°	159.8	20.2	17.8
20°-30°	223.9	28.3	24.9
30°-40°	204.1	25.8	22.7
40°-50°	104.2	13.2	11.6
50°-60°	39.0	4.9	4.3
60°-70°	8.2	1.0	0.9
70°-80°	0.0	0.0	0.0
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°	434.7	55.0	48.3
0°-40°	638.7	80.8	71.0
0°-60°	781.9	99.0	86.9
0°-90°	790.1	100.0	87.8
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°	790.1	100.0	87.8

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	529	529	529	529	529	
5°	530	530	530	530	530	51
15°	575	575	575	575	575	160
25°	490	490	490	490	490	224
35°	331	331	331	331	331	204
45°	128	128	128	128	128	104
55°	43	43	43	43	43	39
65°	7	7	7	7	7	8
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	529	529	529	529	529	529	529	529	529
2.5°	529	529	529	529	529	529	529	529	529
5°	530	530	530	530	530	530	530	530	530
7.5°	534	534	534	534	534	534	534	534	534
10°	544	544	544	544	544	544	544	544	544
12.5°	563	563	563	563	563	563	563	563	563
15°	575	575	575	575	575	575	575	575	575
17.5°	569	569	569	569	569	569	569	569	569
20°	548	548	548	548	548	548	548	548	548
22.5°	521	521	521	521	521	521	521	521	521
25°	490	490	490	490	490	490	490	490	490
27.5°	456	456	456	456	456	456	456	456	456
30°	418	418	418	418	418	418	418	418	418
32.5°	376	376	376	376	376	376	376	376	376
35°	331	331	331	331	331	331	331	331	331
37.5°	283	283	283	283	283	283	283	283	283
40°	230	230	230	230	230	230	230	230	230
42.5°	176	176	176	176	176	176	176	176	176
45°	128	128	128	128	128	128	128	128	128
47.5°	93	93	93	93	93	93	93	93	93
50°	70	70	70	70	70	70	70	70	70
52.5°	55	55	55	55	55	55	55	55	55
55°	43	43	43	43	43	43	43	43	43
57.5°	32	32	32	32	32	32	32	32	32
60°	21	21	21	21	21	21	21	21	21
62.5°	13	13	13	13	13	13	13	13	13
65°	7	7	7	7	7	7	7	7	7
67.5°	3	3	3	3	3	3	3	3	3
70°	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)