

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: E395197

Luminaire Tested: **H7-426**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: E395197
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: E395-194
Ballast/Driver: -

Summary

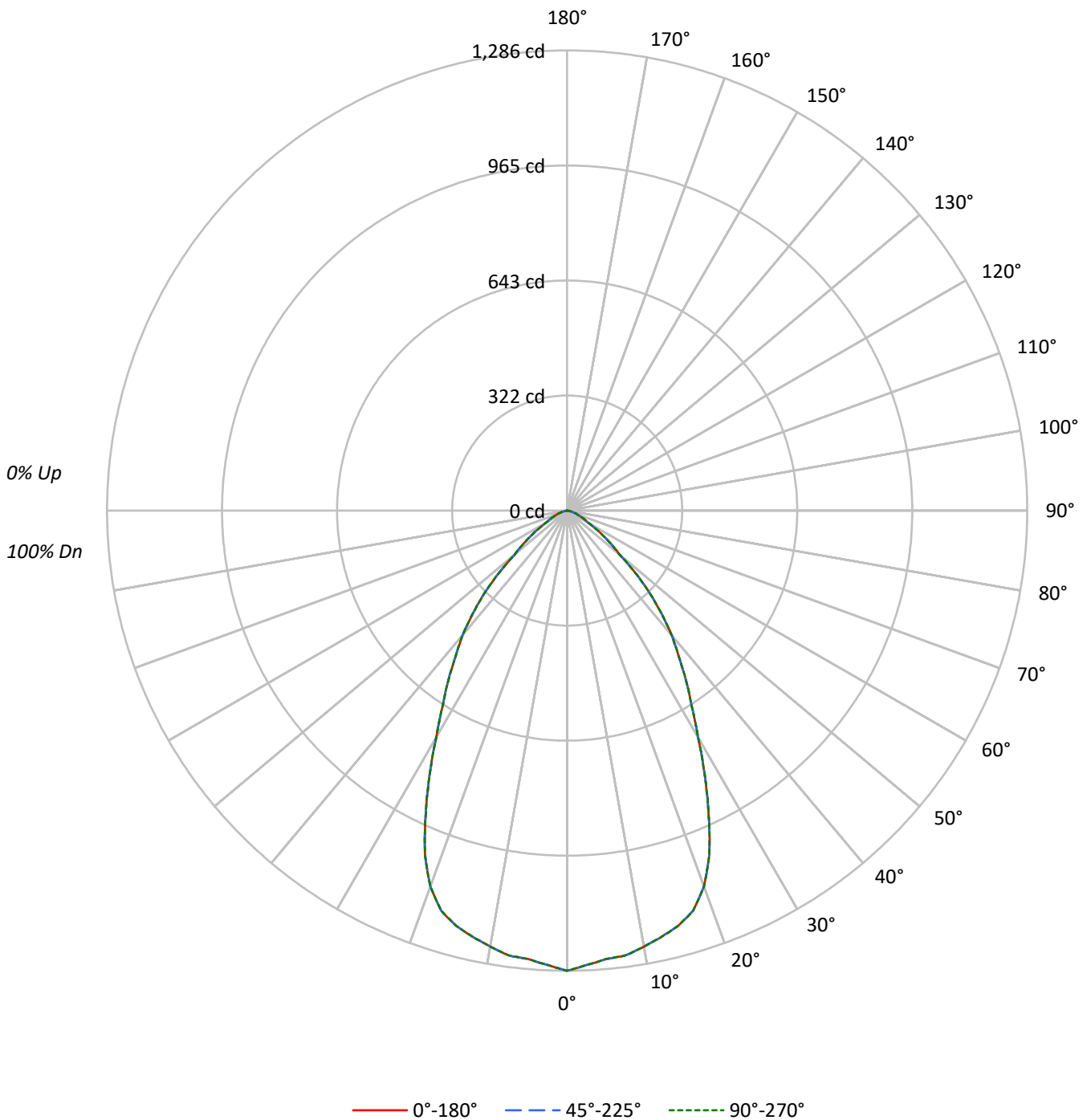
Lumens per Lamp: 1900 (1 lamp)
Luminaire Lumens: 1672.3 lumens
Efficiency: 88.0%
Efficacy: 11.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 150
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		94	94	94		90	90	90	88
1	99	96	93	91	97	94	92	90	90	89	87		87	86	84		84	83	82	80
2	93	88	83	80	91	86	82	79	83	80	77		80	78	75		78	76	74	72
3	87	80	75	71	85	79	74	70	76	72	69		74	71	68		72	69	67	65
4	81	73	68	63	80	72	67	63	70	66	62		69	65	61		67	63	61	59
5	76	68	62	57	75	67	61	57	65	60	56		64	59	56		62	58	55	54
6	72	62	56	52	70	62	56	52	60	55	51		59	54	51		58	54	51	49
7	67	58	52	47	66	57	51	47	56	51	47		55	50	47		54	50	46	45
8	64	54	48	44	62	53	48	44	52	47	43		51	47	43		50	46	43	42
9	60	50	44	40	59	50	44	40	49	44	40		48	43	40		47	43	40	38
10	57	47	41	37	56	47	41	37	46	41	37		45	40	37		44	40	37	36

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°	119.7	7.2	6.3
10°-20°	336.5	20.1	17.7
20°-30°	426.5	25.5	22.4
30°-40°	362.6	21.7	19.1
40°-50°	249.5	14.9	13.1
50°-60°	113.1	6.8	6.0
60°-70°	46.0	2.7	2.4
70°-80°	16.6	1.0	0.9
80°-90°	1.9	0.1	0.1
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°	882.7	52.8	46.5
0°-40°	1245.3	74.5	65.5
0°-60°	1607.8	96.1	84.6
0°-90°	1672.3	100.0	88.0
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°	1672.3	100.0	88.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1286	1286	1286	1286	1286	
5°	1258	1258	1258	1258	1258	120
15°	1201	1201	1201	1201	1201	336
25°	936	936	936	936	936	426
35°	579	579	579	579	579	363
45°	327	327	327	327	327	249
55°	124	124	124	124	124	113
65°	45	45	45	45	45	46
75°	15	15	15	15	15	17
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°
0°	1286	1286	1286	1286	1286	1286	1286
2.5°	1271	1271	1271	1271	1271	1271	1271
5°	1258	1258	1258	1258	1258	1258	1258
7.5°	1254	1254	1254	1254	1254	1254	1254
10°	1237	1237	1237	1237	1237	1237	1237
12.5°	1220	1220	1220	1220	1220	1220	1220
15°	1201	1201	1201	1201	1201	1201	1201
17.5°	1172	1172	1172	1172	1172	1172	1172
20°	1118	1118	1118	1118	1118	1118	1118
22.5°	1039	1039	1039	1039	1039	1039	1039
25°	936	936	936	936	936	936	936
27.5°	832	832	832	832	832	832	832
30°	732	732	732	732	732	732	732
32.5°	647	647	647	647	647	647	647
35°	579	579	579	579	579	579	579
37.5°	511	511	511	511	511	511	511
40°	454	454	454	454	454	454	454
45°	327	327	327	327	327	327	327
50°	192	192	192	192	192	192	192
55°	124	124	124	124	124	124	124
60°	68	68	68	68	68	68	68
65°	45	45	45	45	45	45	45
70°	28	28	28	28	28	28	28
75°	15	15	15	15	15	15	15
80°	5	5	5	5	5	5	5
85°	1	1	1	1	1	1	1
90°	0	0	0	0	0	0	0

(END OF REPORT)