

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: E395753

Luminaire Tested: **H7-73**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: E395753
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7-73
Description: HALO RECESSED INC - H7 HOUSING, FRESNEL LENS
Light Source: 60A19, 870 LUMENS
Ballast/Driver: -

Summary

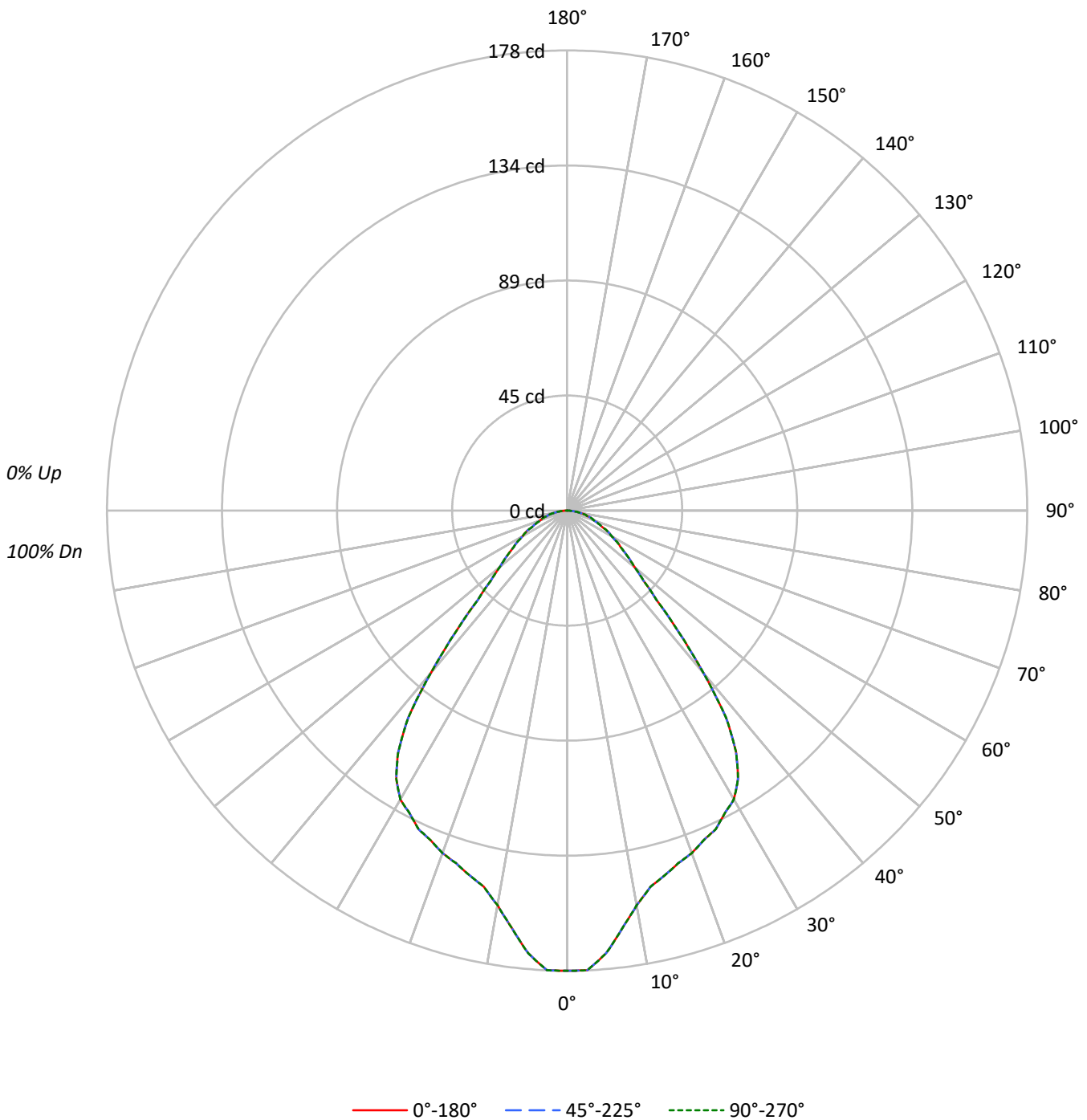
Lumens per Lamp: 870 (1 lamp)
Luminaire Lumens: 279.2 lumens
Efficiency: 32.1%
Efficacy: 4.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.13
Luminous Opening: (L: 0 ' x W: -0.43 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 60
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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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	15.8	5.7	1.8
10°-20°	41.3	14.8	4.8
20°-30°	62.4	22.4	7.2
30°-40°	69.1	24.7	7.9
40°-50°	40.3	14.5	4.6
50°-60°	23.7	8.5	2.7
60°-70°	15.2	5.4	1.7
70°-80°	8.7	3.1	1.0
80°-90°	2.6	0.9	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°	119.6	42.8	13.7
0°-40°	188.7	67.6	21.7
0°-60°	252.7	90.5	29.0
0°-90°	279.2	100.0	32.1
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°	279.2	100.0	32.1

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	178	178	178	178	178	
5°	172	172	172	172	172	16
15°	146	146	146	146	146	41
25°	136	136	136	136	136	62
35°	114	114	114	114	114	69
45°	49	49	49	49	49	40
55°	26	26	26	26	26	24
65°	15	15	15	15	15	15
75°	8	8	8	8	8	9
85°	2	2	2	2	2	3
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°	178	178	178	178	178	178	178	178	178
2.5°	178	178	178	178	178	178	178	178	178
5°	172	172	172	172	172	172	172	172	172
7.5°	163	163	163	163	163	163	163	163	163
10°	155	155	155	155	155	155	155	155	155
12.5°	149	149	149	149	149	149	149	149	149
15°	146	146	146	146	146	146	146	146	146
17.5°	143	143	143	143	143	143	143	143	143
20°	141	141	141	141	141	141	141	141	141
22.5°	138	138	138	138	138	138	138	138	138
25°	136	136	136	136	136	136	136	136	136
27.5°	132	132	132	132	132	132	132	132	132
30°	129	129	129	129	129	129	129	129	129
32.5°	123	123	123	123	123	123	123	123	123
35°	114	114	114	114	114	114	114	114	114
37.5°	101	101	101	101	101	101	101	101	101
40°	82	82	82	82	82	82	82	82	82
42.5°	64	64	64	64	64	64	64	64	64
45°	49	49	49	49	49	49	49	49	49
47.5°	40	40	40	40	40	40	40	40	40
50°	34	34	34	34	34	34	34	34	34
52.5°	30	30	30	30	30	30	30	30	30
55°	26	26	26	26	26	26	26	26	26
57.5°	23	23	23	23	23	23	23	23	23
60°	20	20	20	20	20	20	20	20	20
62.5°	18	18	18	18	18	18	18	18	18
65°	15	15	15	15	15	15	15	15	15
67.5°	13	13	13	13	13	13	13	13	13
70°	11	11	11	11	11	11	11	11	11
72.5°	10	10	10	10	10	10	10	10	10
75°	8	8	8	8	8	8	8	8	8
77.5°	7	7	7	7	7	7	7	7	7
80°	5	5	5	5	5	5	5	5	5
82.5°	4	4	4	4	4	4	4	4	4
85°	2	2	2	2	2	2	2	2	2
87.5°	1	1	1	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)