

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: E395193

Luminaire Tested: **H7-304**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: E395193
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7-304
Description: RECESSED INC - H7 HOUSING, COILEX BAFFLE
Light Source: 75R30SP, 900 LUMENS
Ballast/Driver: -

Summary

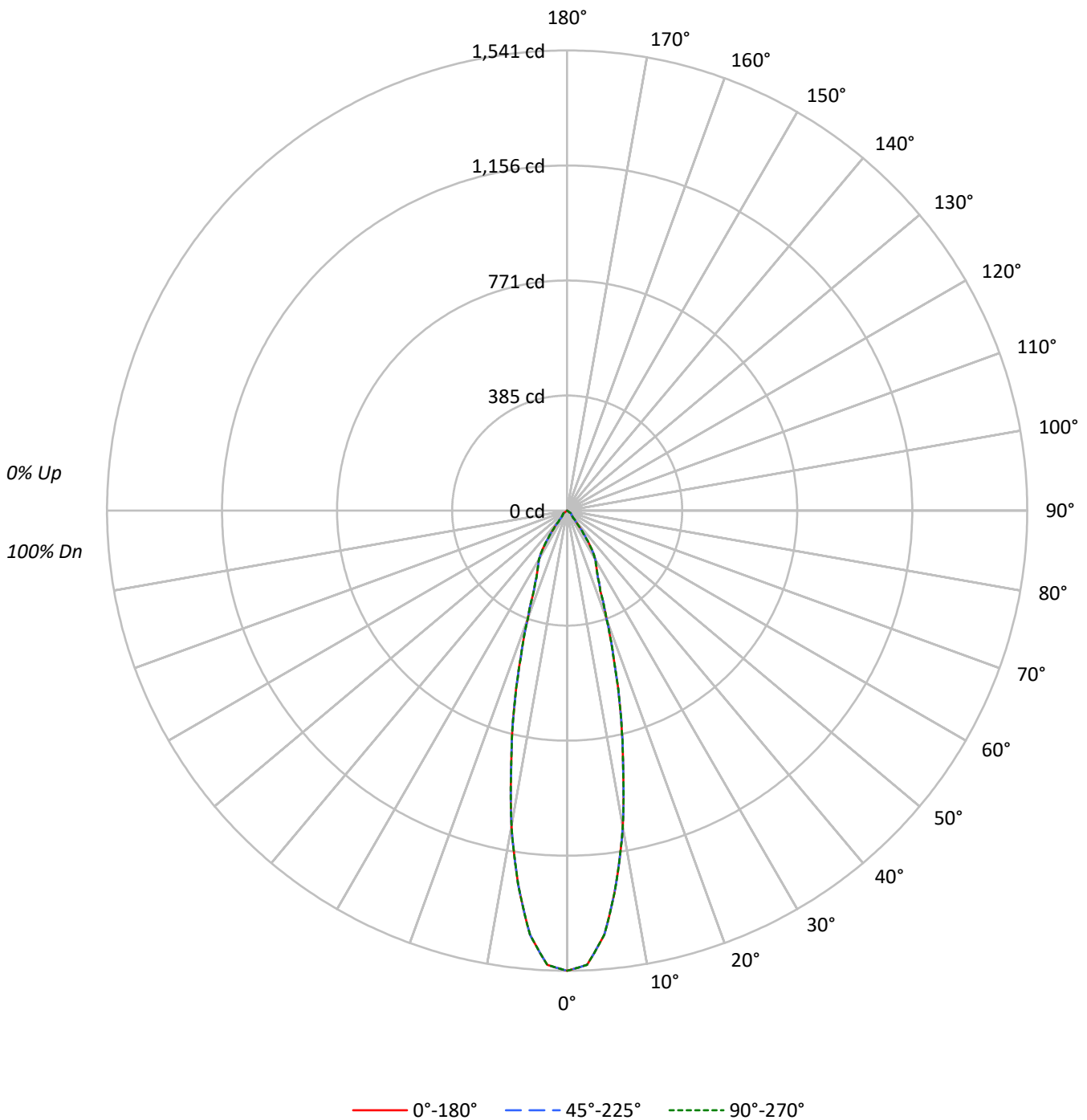
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 515.3 lumens
Efficiency: 57.3%
Efficacy: 6.9 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.48
Luminous Opening: (L: 0 ' x W: -0.38 ' x H: 0 '
CIE Type: Direct

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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	68	68	68	68	67	67	67	67	64	64	64	61	61	61	58	58	58	57	57	57	57
1	65	64	63	62	64	63	62	61	61	60	59	58	58	57	57	56	56	55	55	55	55
2	63	60	58	57	62	59	58	56	58	56	55	56	55	54	54	54	53	52	52	52	52
3	60	57	55	53	59	56	54	52	55	53	52	54	52	51	52	51	50	49	49	49	49
4	58	54	52	50	57	54	51	49	52	50	49	51	50	48	50	49	48	47	47	47	47
5	56	52	49	47	55	51	49	47	50	48	46	49	47	46	48	47	45	45	45	45	45
6	54	49	46	44	53	49	46	44	48	46	44	47	45	44	47	45	43	43	43	43	43
7	51	47	44	42	51	47	44	42	46	44	42	45	43	42	45	43	41	41	41	41	41
8	50	45	42	40	49	45	42	40	44	42	40	44	41	40	43	41	40	39	39	39	39
9	48	43	40	39	47	43	40	38	43	40	38	42	40	38	42	40	38	38	38	38	38
10	46	42	39	37	46	41	39	37	41	39	37	41	38	37	40	38	37	36	36	36	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°	124.3	24.1	13.8
10°-20°	188.2	36.5	20.9
20°-30°	116.7	22.6	13.0
30°-40°	64.5	12.5	7.2
40°-50°	17.1	3.3	1.9
50°-60°	4.5	0.9	0.5
60°-70°	0.0	0.0	0.0
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°	429.2	83.3	47.7
0°-40°	493.7	95.8	54.9
0°-60°	515.3	100.0	57.3
0°-90°	515.3	100.0	57.3
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°	515.3	100.0	57.3

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1541	1541	1541	1541	1541	
5°	1426	1426	1426	1426	1426	124
15°	687	687	687	687	687	188
25°	241	241	241	241	241	117
35°	104	104	104	104	104	64
45°	21	21	21	21	21	17
55°	0	0	0	0	0	5
65°	0	0	0	0	0	0
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°	30°	60°	90°	120°	150°	180°
0°	1541	1541	1541	1541	1541	1541	1541
2.5°	1523	1523	1523	1523	1523	1523	1523
5°	1426	1426	1426	1426	1426	1426	1426
7.5°	1259	1259	1259	1259	1259	1259	1259
10°	1074	1074	1074	1074	1074	1074	1074
12.5°	863	863	863	863	863	863	863
15°	687	687	687	687	687	687	687
17.5°	516	516	516	516	516	516	516
20°	387	387	387	387	387	387	387
22.5°	290	290	290	290	290	290	290
25°	241	241	241	241	241	241	241
27.5°	211	211	211	211	211	211	211
30°	188	188	188	188	188	188	188
32.5°	153	153	153	153	153	153	153
35°	104	104	104	104	104	104	104
37.5°	58	58	58	58	58	58	58
40°	30	30	30	30	30	30	30
42.5°	25	25	25	25	25	25	25
45°	21	21	21	21	21	21	21
47.5°	19	19	19	19	19	19	19
50°	18	18	18	18	18	18	18
52.5°	12	12	12	12	12	12	12
55°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0

(END OF REPORT)