

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: E395719

Luminaire Tested: **H7-426**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: E395719
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: 75R30SP, 900 LUMENS
Ballast/Driver: -

Summary

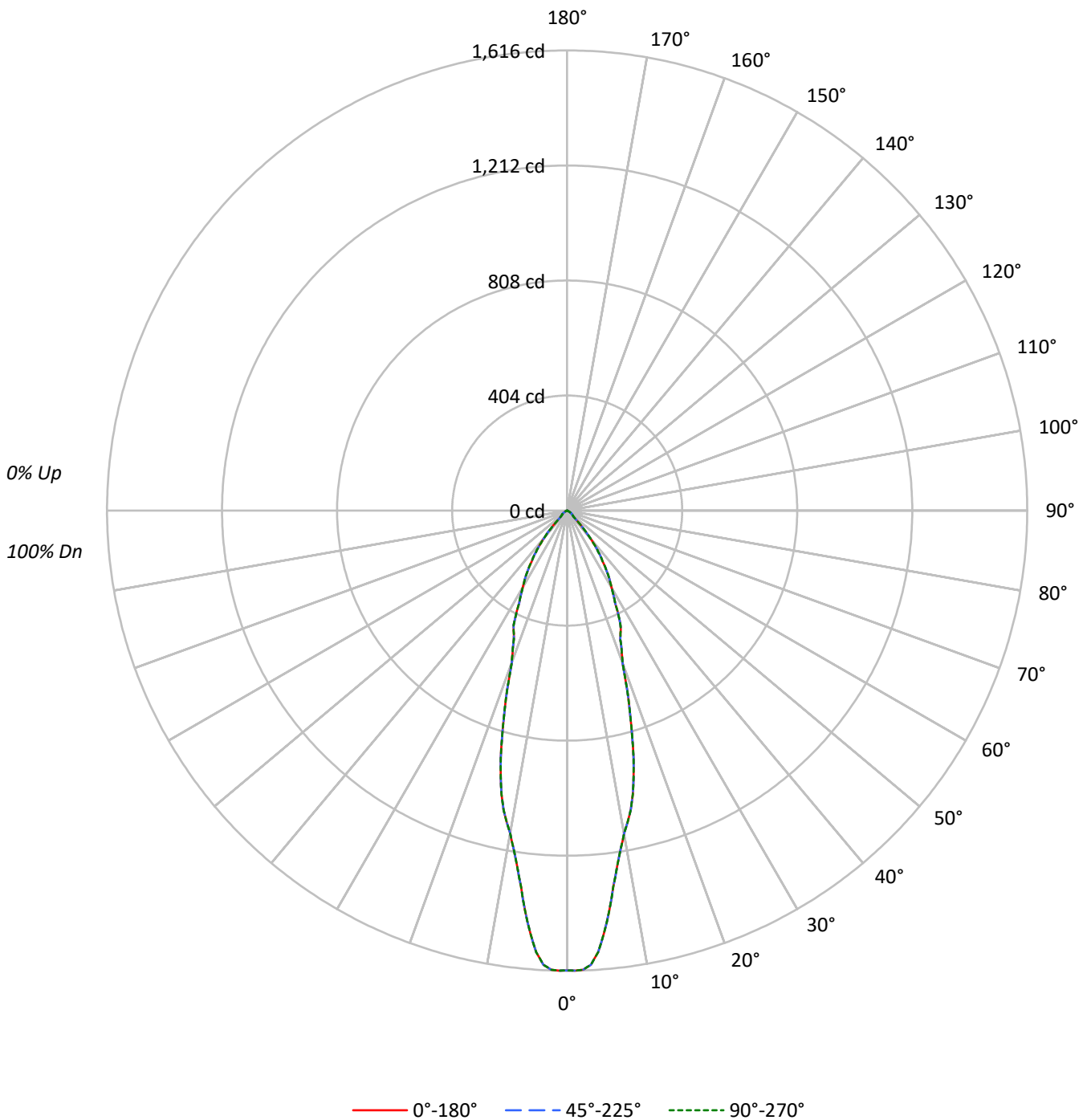
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 767.6 lumens
Efficiency: 85.3%
Efficacy: 10.2 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.57
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

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	102	102	102	102	99	99	99	99	95	95	95		91	91	91		87	87	87	85
1	97	95	93	91	95	93	91	90	90	88	87		86	85	84		83	83	82	80
2	93	89	85	83	91	87	84	82	84	82	80		82	80	78		80	78	77	75
3	88	83	79	76	87	82	78	75	80	76	74		78	75	73		76	74	72	70
4	84	78	73	70	83	77	73	70	75	72	69		74	71	68		72	69	67	66
5	80	73	69	65	79	73	68	65	71	67	64		70	66	64		68	66	63	62
6	77	69	65	61	75	69	64	61	67	63	60		66	63	60		65	62	60	59
7	73	66	61	57	72	65	61	57	64	60	57		63	59	57		62	59	56	55
8	70	62	58	54	69	62	57	54	61	57	54		60	56	54		59	56	53	52
9	67	59	55	51	66	59	54	51	58	54	51		57	54	51		57	53	51	50
10	64	57	52	49	63	56	52	49	56	51	49		55	51	48		54	51	48	47

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°	129.6	16.9	14.4
10°-20°	242.0	31.5	26.9
20°-30°	197.5	25.7	21.9
30°-40°	135.6	17.7	15.1
40°-50°	41.7	5.4	4.6
50°-60°	16.5	2.2	1.8
60°-70°	4.6	0.6	0.5
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°	569.1	74.1	63.2
0°-40°	704.7	91.8	78.3
0°-60°	763.0	99.4	84.8
0°-90°	767.6	100.0	85.3
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°	767.6	100.0	85.3

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1615	1615	1615	1615	1615	
5°	1489	1489	1489	1489	1489	130
15°	900	900	900	900	900	242
25°	444	444	444	444	444	198
35°	217	217	217	217	217	136
45°	35	35	35	35	35	42
55°	19	19	19	19	19	17
65°	3	3	3	3	3	5
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°	1615	1615	1615	1615	1615	1615	1615	1615	1615
1°	1616	1616	1616	1616	1616	1616	1616	1616	1616
2°	1613	1613	1613	1613	1613	1613	1613	1613	1613
3°	1597	1597	1597	1597	1597	1597	1597	1597	1597
4°	1555	1555	1555	1555	1555	1555	1555	1555	1555
5°	1489	1489	1489	1489	1489	1489	1489	1489	1489
6°	1414	1414	1414	1414	1414	1414	1414	1414	1414
7°	1331	1331	1331	1331	1331	1331	1331	1331	1331
8°	1262	1262	1262	1262	1262	1262	1262	1262	1262
9°	1202	1202	1202	1202	1202	1202	1202	1202	1202
10°	1152	1152	1152	1152	1152	1152	1152	1152	1152
11°	1114	1114	1114	1114	1114	1114	1114	1114	1114
12°	1075	1075	1075	1075	1075	1075	1075	1075	1075
13°	1023	1023	1023	1023	1023	1023	1023	1023	1023
14°	965	965	965	965	965	965	965	965	965
15°	900	900	900	900	900	900	900	900	900
17.5°	727	727	727	727	727	727	727	727	727
20°	568	568	568	568	568	568	568	568	568
22.5°	488	488	488	488	488	488	488	488	488
25°	444	444	444	444	444	444	444	444	444
27.5°	365	365	365	365	365	365	365	365	365
30°	311	311	311	311	311	311	311	311	311
32.5°	268	268	268	268	268	268	268	268	268
35°	217	217	217	217	217	217	217	217	217
37.5°	174	174	174	174	174	174	174	174	174
40°	127	127	127	127	127	127	127	127	127
45°	35	35	35	35	35	35	35	35	35
50°	23	23	23	23	23	23	23	23	23
55°	19	19	19	19	19	19	19	19	19
60°	13	13	13	13	13	13	13	13	13
65°	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)