

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: E395724

Luminaire Tested: **H7-426/H930**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: E395724
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7-426/H930
Description: HALO RECESSED INC - H7 ADJ, CLEAR SPECULAR REFL, 0 DEG TILT
Light Source: 75R30FL, 900 LUMENS
Ballast/Driver: -

Summary

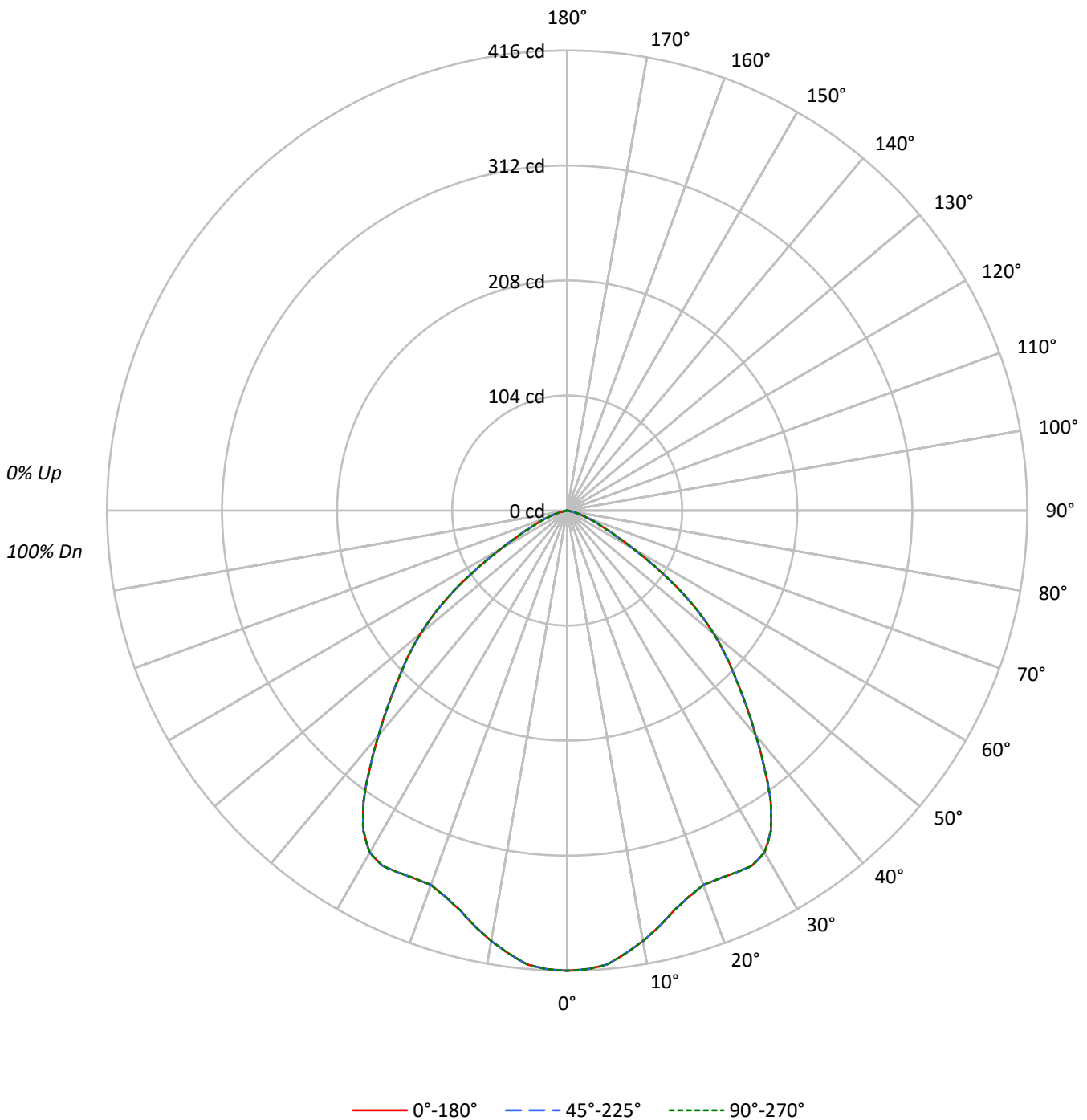
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 834.1 lumens
Efficiency: 92.7%
Efficacy: 11.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.26
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

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	110	110	110	110	108	108	108	108	103	103	103		99	99	99		95	95	95	93
1	103	100	97	94	101	98	95	93	94	92	90		90	89	87		87	86	84	83
2	96	90	85	80	94	88	83	79	85	81	78		82	79	76		79	77	74	73
3	89	81	74	69	87	79	73	69	77	72	68		74	70	67		72	68	65	64
4	82	73	66	61	80	72	65	60	69	64	59		67	62	59		65	61	58	56
5	76	66	59	53	74	65	58	53	63	57	52		61	56	52		60	55	51	50
6	71	60	53	47	69	59	52	47	57	51	47		56	51	46		55	50	46	44
7	66	55	47	42	64	54	47	42	53	46	42		51	46	42		50	45	41	40
8	62	50	43	38	60	50	43	38	48	42	38		47	42	38		46	41	37	36
9	58	46	39	35	56	46	39	35	45	39	34		44	38	34		43	38	34	32
10	54	43	36	32	53	42	36	31	42	36	31		41	35	31		40	35	31	30

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°	38.7	4.6	4.3
10°-20°	106.0	12.7	11.8
20°-30°	166.8	20.0	18.5
30°-40°	198.0	23.7	22.0
40°-50°	167.5	20.1	18.6
50°-60°	108.1	13.0	12.0
60°-70°	38.8	4.6	4.3
70°-80°	10.0	1.2	1.1
80°-90°	0.3	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°	311.5	37.3	34.6
0°-40°	509.5	61.1	56.6
0°-60°	785.0	94.1	87.2
0°-90°	834.1	100.0	92.7
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°	834.1	100.0	92.7

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	416	416	416	416	416	
5°	412	412	412	412	412	39
15°	374	374	374	374	374	106
25°	361	361	361	361	361	167
35°	321	321	321	321	321	198
45°	216	216	216	216	216	167
55°	122	122	122	122	122	108
65°	36	36	36	36	36	39
75°	9	9	9	9	9	10
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°	416	416	416	416	416	416	416	416	416
2.5°	415	415	415	415	415	415	415	415	415
5°	412	412	412	412	412	412	412	412	412
7.5°	404	404	404	404	404	404	404	404	404
10°	395	395	395	395	395	395	395	395	395
12.5°	385	385	385	385	385	385	385	385	385
15°	374	374	374	374	374	374	374	374	374
17.5°	366	366	366	366	366	366	366	366	366
20°	360	360	360	360	360	360	360	360	360
22.5°	360	360	360	360	360	360	360	360	360
25°	361	361	361	361	361	361	361	361	361
27.5°	362	362	362	362	362	362	362	362	362
30°	357	357	357	357	357	357	357	357	357
32.5°	343	343	343	343	343	343	343	343	343
35°	321	321	321	321	321	321	321	321	321
37.5°	293	293	293	293	293	293	293	293	293
40°	265	265	265	265	265	265	265	265	265
42.5°	240	240	240	240	240	240	240	240	240
45°	216	216	216	216	216	216	216	216	216
47.5°	195	195	195	195	195	195	195	195	195
50°	173	173	173	173	173	173	173	173	173
52.5°	149	149	149	149	149	149	149	149	149
55°	122	122	122	122	122	122	122	122	122
57.5°	94	94	94	94	94	94	94	94	94
60°	69	69	69	69	69	69	69	69	69
62.5°	50	50	50	50	50	50	50	50	50
65°	36	36	36	36	36	36	36	36	36
67.5°	27	27	27	27	27	27	27	27	27
70°	20	20	20	20	20	20	20	20	20
72.5°	14	14	14	14	14	14	14	14	14
75°	9	9	9	9	9	9	9	9	9
77.5°	4	4	4	4	4	4	4	4	4
80°	2	2	2	2	2	2	2	2	2
82.5°	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)