

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: E395722

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: E395722
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: 75R30SP, 900 LUMENS
Ballast/Driver: -

Summary

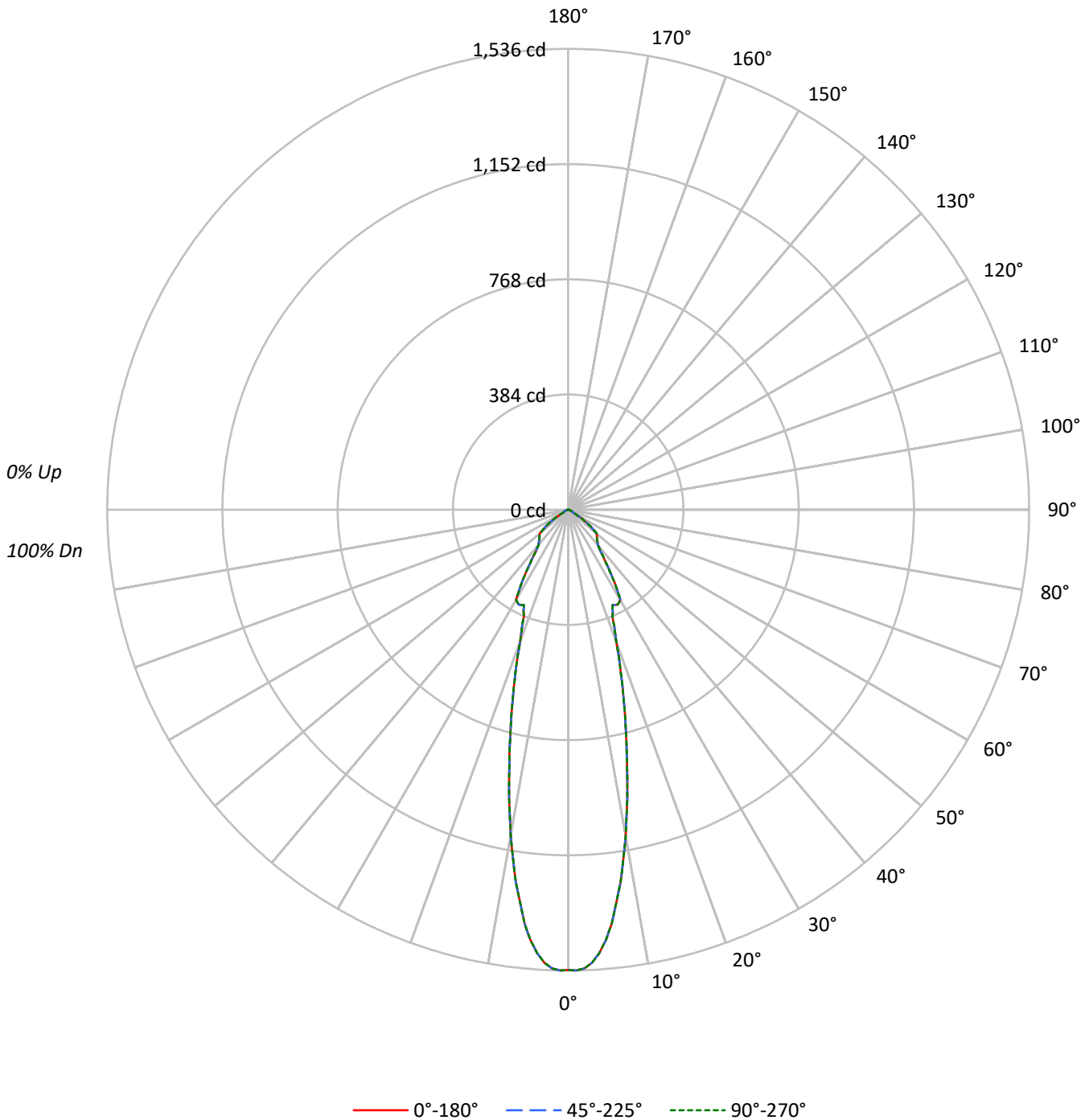
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 839.6 lumens
Efficiency: 93.3%
Efficacy: 11.2 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.52
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

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	111	111	111	111	108	108	108	108	104	104	104		99	99	99		95	95	95	93
1	105	102	100	98	103	100	98	96	97	95	93		93	92	90		90	89	88	86
2	99	94	90	87	97	93	89	86	90	87	84		87	84	82		84	82	80	79
3	94	87	82	78	92	86	81	77	83	79	76		81	78	75		79	76	74	72
4	88	81	75	71	87	80	74	70	78	73	70		76	72	69		74	71	68	66
5	84	75	69	65	82	74	69	65	73	68	64		71	67	63		69	66	63	61
6	79	70	64	60	78	69	64	60	68	63	59		67	62	59		65	61	58	57
7	75	66	60	56	74	65	60	55	64	59	55		63	58	55		62	58	55	53
8	71	62	56	52	70	61	56	52	60	55	52		59	55	51		58	54	51	50
9	68	59	53	49	67	58	53	49	57	52	49		56	52	48		56	51	48	47
10	65	55	50	46	64	55	50	46	54	49	46		54	49	46		53	49	46	44

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°	126.1	15.0	14.0
10°-20°	204.5	24.4	22.7
20°-30°	172.4	20.5	19.2
30°-40°	145.4	17.3	16.2
40°-50°	105.8	12.6	11.8
50°-60°	65.0	7.7	7.2
60°-70°	14.6	1.7	1.6
70°-80°	5.5	0.7	0.6
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°	502.9	59.9	55.9
0°-40°	648.3	77.2	72.0
0°-60°	819.2	97.6	91.0
0°-90°	839.6	100.0	93.3
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°	839.6	100.0	93.3

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1534	1534	1534	1534	1534	
5°	1440	1440	1440	1440	1440	126
15°	736	736	736	736	736	204
25°	350	350	350	350	350	172
35°	226	226	226	226	226	145
45°	135	135	135	135	135	106
55°	75	75	75	75	75	65
65°	15	15	15	15	15	15
75°	5	5	5	5	5	6
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°	1534	1534	1534	1534	1534	1534	1534	1534	1534
1°	1536	1536	1536	1536	1536	1536	1536	1536	1536
2°	1530	1530	1530	1530	1530	1530	1530	1530	1530
3°	1512	1512	1512	1512	1512	1512	1512	1512	1512
4°	1482	1482	1482	1482	1482	1482	1482	1482	1482
5°	1440	1440	1440	1440	1440	1440	1440	1440	1440
6°	1387	1387	1387	1387	1387	1387	1387	1387	1387
7°	1317	1317	1317	1317	1317	1317	1317	1317	1317
8°	1254	1254	1254	1254	1254	1254	1254	1254	1254
9°	1176	1176	1176	1176	1176	1176	1176	1176	1176
10°	1102	1102	1102	1102	1102	1102	1102	1102	1102
11°	1024	1024	1024	1024	1024	1024	1024	1024	1024
12°	948	948	948	948	948	948	948	948	948
13°	872	872	872	872	872	872	872	872	872
14°	803	803	803	803	803	803	803	803	803
15°	736	736	736	736	736	736	736	736	736
17.5°	591	591	591	591	591	591	591	591	591
20°	467	467	467	467	467	467	467	467	467
22.5°	387	387	387	387	387	387	387	387	387
25°	350	350	350	350	350	350	350	350	350
27.5°	357	357	357	357	357	357	357	357	357
30°	347	347	347	347	347	347	347	347	347
32.5°	286	286	286	286	286	286	286	286	286
35°	226	226	226	226	226	226	226	226	226
37.5°	179	179	179	179	179	179	179	179	179
40°	154	154	154	154	154	154	154	154	154
45°	135	135	135	135	135	135	135	135	135
50°	124	124	124	124	124	124	124	124	124
55°	75	75	75	75	75	75	75	75	75
60°	19	19	19	19	19	19	19	19	19
65°	15	15	15	15	15	15	15	15	15
70°	10	10	10	10	10	10	10	10	10
75°	5	5	5	5	5	5	5	5	5
80°	1	1	1	1	1	1	1	1	1
85°	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)