

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: E395750

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: E395750
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: 150R40SP, 1900 LUMENS
Ballast/Driver: -

Summary

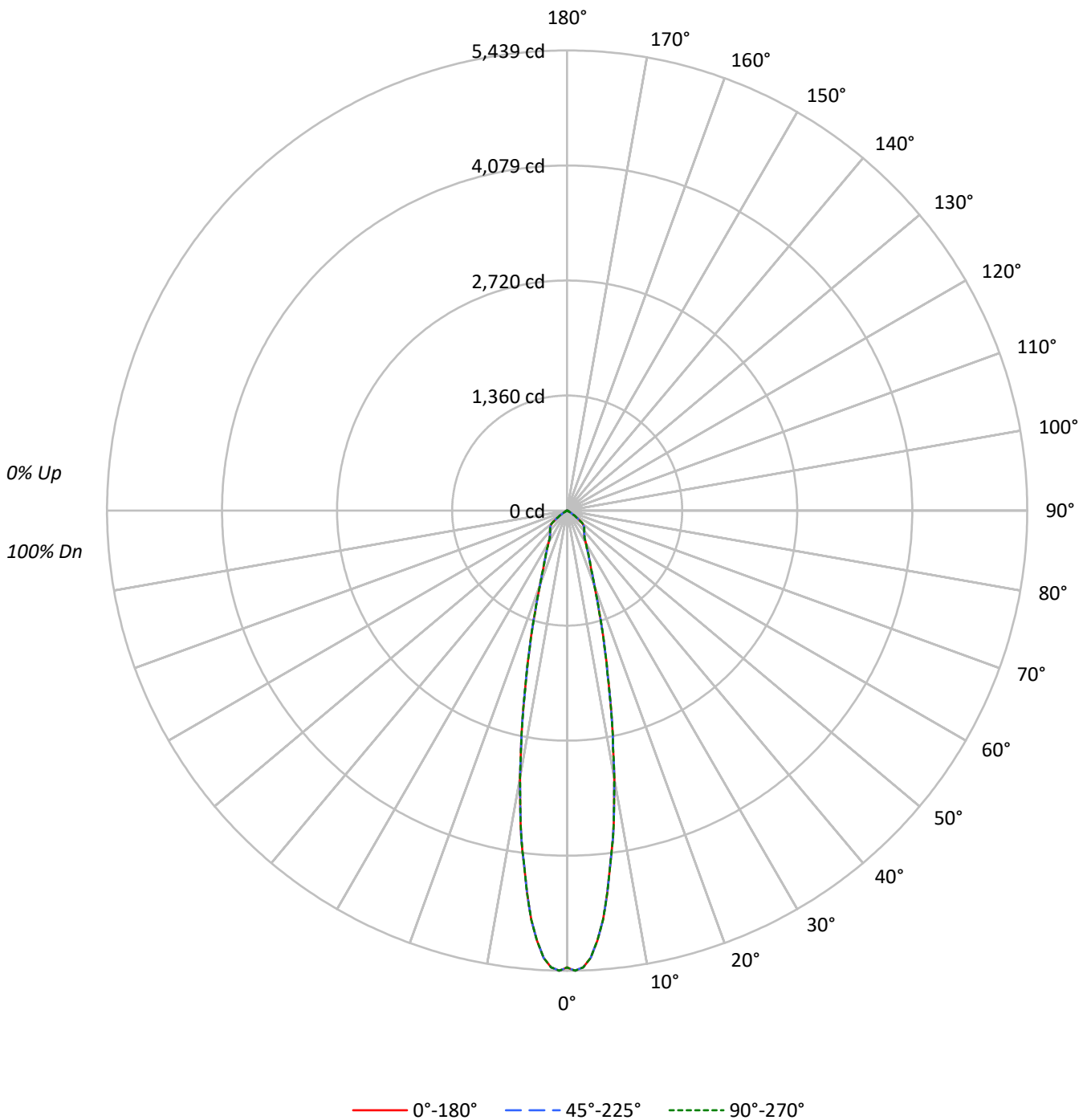
Lumens per Lamp: 1900 (1 lamp)
Luminaire Lumens: 1774.5 lumens
Efficiency: 93.4%
Efficacy: 11.8 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.41
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 150
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	109	109	109	109	104	104	104		99	99	99		95	95	95	93
1	106	103	101	99	103	101	99	97	97	96	94		94	92	91		91	90	89	87
2	100	96	92	89	98	94	91	88	91	88	86		88	86	84		86	84	82	81
3	95	89	85	81	94	88	84	80	86	82	79		83	80	78		81	79	76	75
4	91	84	78	74	89	83	78	74	81	76	73		79	75	72		77	74	71	70
5	86	79	73	69	85	78	73	69	76	72	68		75	71	68		73	70	67	66
6	82	74	69	65	81	73	68	65	72	68	64		71	67	64		70	66	63	62
7	79	70	65	61	78	70	65	61	69	64	61		67	63	60		66	63	60	59
8	75	67	61	58	74	66	61	58	65	61	57		64	60	57		63	60	57	56
9	72	64	59	55	71	63	58	55	62	58	55		62	57	54		61	57	54	53
10	70	61	56	52	69	61	56	52	60	55	52		59	55	52		59	55	52	51

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°	406.7	22.9	21.4
10°-20°	492.3	27.7	25.9
20°-30°	287.6	16.2	15.1
30°-40°	226.0	12.7	11.9
40°-50°	216.8	12.2	11.4
50°-60°	109.1	6.2	5.7
60°-70°	18.5	1.0	1.0
70°-80°	9.8	0.6	0.5
80°-90°	7.6	0.4	0.4
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°	1186.7	66.9	62.5
0°-40°	1412.7	79.6	74.4
0°-60°	1738.6	98.0	91.5
0°-90°	1774.5	100.0	93.4
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°	1774.5	100.0	93.4

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5400	5400	5400	5400	5400	
5°	4857	4857	4857	4857	4857	407
15°	1745	1745	1745	1745	1745	492
25°	607	607	607	607	607	288
35°	354	354	354	354	354	226
45°	284	284	284	284	284	217
55°	112	112	112	112	112	109
65°	17	17	17	17	17	19
75°	9	9	9	9	9	10
85°	7	7	7	7	7	8
90°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	5400	5400	5400	5400	5400	5400	5400	5400	5400
1°	5439	5439	5439	5439	5439	5439	5439	5439	5439
2°	5403	5403	5403	5403	5403	5403	5403	5403	5403
3°	5294	5294	5294	5294	5294	5294	5294	5294	5294
4°	5096	5096	5096	5096	5096	5096	5096	5096	5096
5°	4857	4857	4857	4857	4857	4857	4857	4857	4857
6°	4534	4534	4534	4534	4534	4534	4534	4534	4534
7°	4194	4194	4194	4194	4194	4194	4194	4194	4194
8°	3904	3904	3904	3904	3904	3904	3904	3904	3904
9°	3538	3538	3538	3538	3538	3538	3538	3538	3538
10°	3201	3201	3201	3201	3201	3201	3201	3201	3201
11°	2849	2849	2849	2849	2849	2849	2849	2849	2849
12°	2549	2549	2549	2549	2549	2549	2549	2549	2549
13°	2228	2228	2228	2228	2228	2228	2228	2228	2228
14°	1971	1971	1971	1971	1971	1971	1971	1971	1971
15°	1745	1745	1745	1745	1745	1745	1745	1745	1745
17.5°	1254	1254	1254	1254	1254	1254	1254	1254	1254
20°	933	933	933	933	933	933	933	933	933
22.5°	736	736	736	736	736	736	736	736	736
25°	607	607	607	607	607	607	607	607	607
27.5°	513	513	513	513	513	513	513	513	513
30°	438	438	438	438	438	438	438	438	438
32.5°	384	384	384	384	384	384	384	384	384
35°	354	354	354	354	354	354	354	354	354
37.5°	333	333	333	333	333	333	333	333	333
40°	316	316	316	316	316	316	316	316	316
45°	284	284	284	284	284	284	284	284	284
50°	239	239	239	239	239	239	239	239	239
55°	112	112	112	112	112	112	112	112	112
60°	30	30	30	30	30	30	30	30	30
65°	17	17	17	17	17	17	17	17	17
70°	11	11	11	11	11	11	11	11	11
75°	9	9	9	9	9	9	9	9	9
80°	8	8	8	8	8	8	8	8	8
85°	7	7	7	7	7	7	7	7	7
90°	6	6	6	6	6	6	6	6	6

(END OF REPORT)