

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: E395199

Luminaire Tested: **H7T-426**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: E395199  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H7T-426  
Description:  
Light Source: 150PAR38FL, 1740 LUMENS  
Ballast/Driver: -

**Summary**

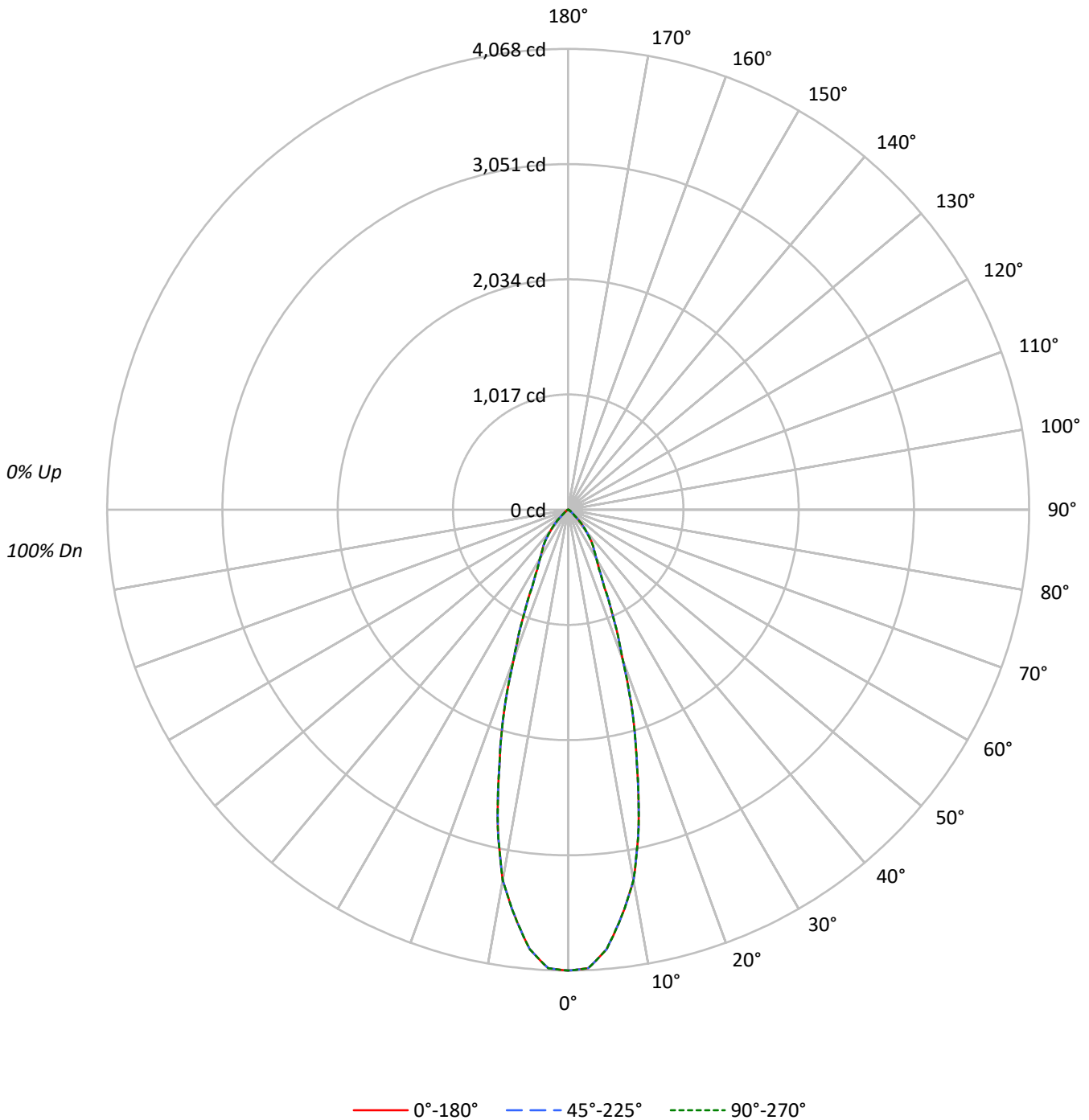
Lumens per Lamp: 1740 (1 lamp)  
Luminaire Lumens: 1739.9 lumens  
Efficiency: 100.0%  
Efficacy: 11.6 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.55  
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '  
CIE Type: Direct

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



TEST NUMBER: E395199  
CATALOG NUMBER: H7T-426

### Luminous Intensity Polar Plot





TEST NUMBER: E395199  
 CATALOG NUMBER: H7T-426

**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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	92	91	89
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82	79	77	75
6	92	84	78	75	90	83	78	74	82	77	74		80	76	73		79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	76	71	67	74	70	67		74	69	66		73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64		71	66	64		70	66	63	62
10	78	70	65	61	77	69	64	61	69	64	61		68	64	61		67	63	61	60

**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°			



TEST NUMBER: E395199  
 CATALOG NUMBER: H7T-426

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	352.3	20.2	20.2
10°-20°	643.7	37.0	37.0
20°-30°	375.5	21.6	21.6
30°-40°	228.8	13.2	13.1
40°-50°	104.6	6.0	6.0
50°-60°	26.5	1.5	1.5
60°-70°	8.3	0.5	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°	1371.6	78.8	78.8
0°-40°	1600.4	92.0	92.0
0°-60°	1731.5	99.5	99.5
0°-90°	1739.9	100.0	100.0
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°	1739.9	100.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	4068	4068	4068	4068	4068	
5°	3894	3894	3894	3894	3894	352
15°	2351	2351	2351	2351	2351	644
25°	756	756	756	756	756	376
35°	376	376	376	376	376	229
45°	138	138	138	138	138	105
55°	28	28	28	28	28	27
65°	8	8	8	8	8	8
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: E395199  
 CATALOG NUMBER: H7T-426

**CANDELA DISTRIBUTION (FULL):**

	0°	30°	60°	90°	120°	150°	180°
0°	4068	4068	4068	4068	4068	4068	4068
2.5°	4052	4052	4052	4052	4052	4052	4052
5°	3894	3894	3894	3894	3894	3894	3894
7.5°	3618	3618	3618	3618	3618	3618	3618
10°	3322	3322	3322	3322	3322	3322	3322
12.5°	2872	2872	2872	2872	2872	2872	2872
15°	2351	2351	2351	2351	2351	2351	2351
17.5°	1891	1891	1891	1891	1891	1891	1891
20°	1405	1405	1405	1405	1405	1405	1405
22.5°	1059	1059	1059	1059	1059	1059	1059
25°	756	756	756	756	756	756	756
27.5°	588	588	588	588	588	588	588
30°	496	496	496	496	496	496	496
32.5°	424	424	424	424	424	424	424
35°	376	376	376	376	376	376	376
37.5°	307	307	307	307	307	307	307
40°	242	242	242	242	242	242	242
42.5°	189	189	189	189	189	189	189
45°	138	138	138	138	138	138	138
47.5°	77	77	77	77	77	77	77
50°	53	53	53	53	53	53	53
52.5°	34	34	34	34	34	34	34
55°	28	28	28	28	28	28	28
57.5°	22	22	22	22	22	22	22
60°	18	18	18	18	18	18	18
65°	8	8	8	8	8	8	8
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)