

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: P30059

Luminaire Tested: **ML706830T120DEM – 494WB06 – H750TEM6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P30059
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P30059)
Test Lab: METALUX RESEARCH LABS
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ML706830T120DEM – 494WB06 – H750TEM6
Description: HALO RECESSED LED RETROFIT MODULE WITH TRIM THAT INCLUDES SHOWER RATED,SOLITE LENS,WHITE BAFFLED DESIGN REFLECTOR IN TRIM
Light Source: HIGH OUPUT LED PACKAGE
Ballast/Driver: IOTA BATTERY PACK

Summary

Lumens per Lamp: 408 (1 lamp)
Luminaire Lumens: 408.9 lumens
Efficiency: 100.2%
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.92
Luminous Opening: Circular (Dia: 0.4' x H: 0')
CIE Type: Direct

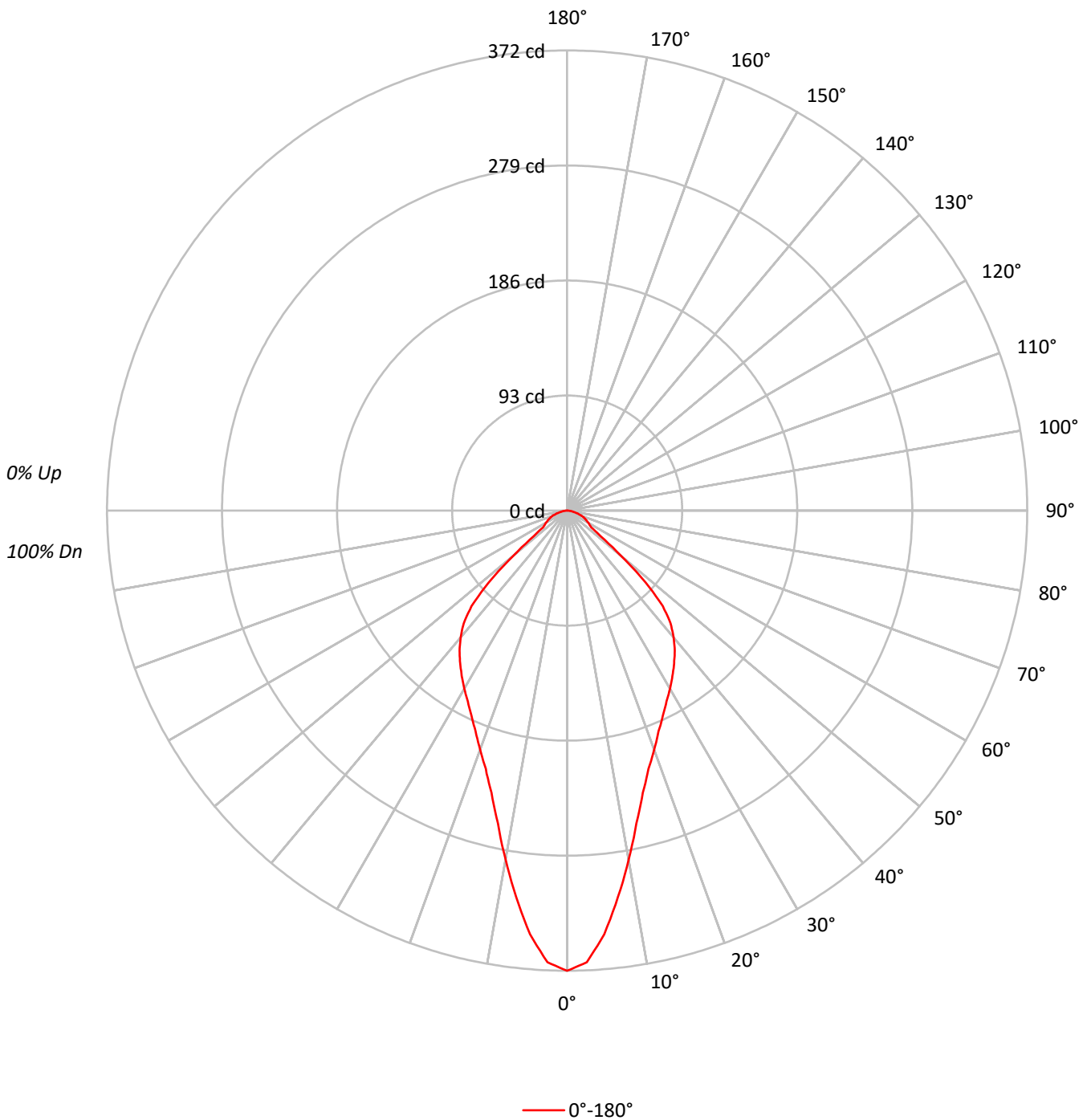
Input Watts (W): 5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P30059

CATALOG NUMBER: ML706830T120DEM – 494WB06 – H750TEM6

Luminous Intensity Polar Plot





TEST NUMBER: P30059

CATALOG NUMBER: ML706830T120DEM – 494WB06 – H750TEM6

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	117	117	117	117	111	111	111	107	107	107	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90
2	104	98	93	88	102	96	92	87	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	68	76	71	67	74	69	66	64
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	52
7	75	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	49	48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32539
5°	30187
10°	25438
15°	21389
20°	19147
25°	17662
30°	16786
35°	16092
40°	15301
45°	13533
50°	7648
55°	3645
60°	3446
65°	3332
70°	3222
75°	2839
80°	2116
85°	1806



TEST NUMBER: P30059

CATALOG NUMBER: ML706830T120DEM – 494WB06 – H750TEM6

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	30.9	7.6	7.6
10°-20°	66.9	16.4	16.4
20°-30°	84.7	20.7	20.7
30°-40°	94.2	23.0	23.1
40°-50°	79.4	19.4	19.5
50°-60°	26.1	6.4	6.4
60°-70°	16.0	3.9	3.9
70°-80°	8.7	2.1	2.1
80°-90°	2.0	0.5	0.5
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°	182.5	44.6	44.7
0°-40°	276.7	67.7	67.8
0°-60°	382.1	93.5	93.7
0°-90°	408.9	100.0	100.2
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°	408.9	100.0	100.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	372	
5°	344	31
15°	236	67
25°	183	85
35°	151	94
45°	109	79
55°	24	26
65°	16	16
75°	8	9
85°	2	2
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



TEST NUMBER: P30059

CATALOG NUMBER: ML706830T120DEM – 494WB06 – H750TEM6

CANDELA DISTRIBUTION (FULL):

0°	
0°	372.0
2.5°	365.4
5°	343.8
7.5°	315.1
10°	286.4
12.5°	258.9
15°	236.2
17.5°	218.9
20°	205.7
22.5°	193.2
25°	183.0
27.5°	174.0
30°	166.2
32.5°	158.5
35°	150.7
37.5°	142.9
40°	134.0
42.5°	123.8
45°	109.4
47.5°	86.1
50°	56.2
52.5°	34.1
55°	23.9
57.5°	21.5
60°	19.7
62.5°	17.9
65°	16.1
67.5°	14.4
70°	12.6
72.5°	10.2
75°	8.4
77.5°	6.0
80°	4.2
82.5°	3.0
85°	1.8
87.5°	0.6
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



TEST NUMBER: P30059

CATALOG NUMBER: ML706830T120DEM – 494WB06 – H750TEM6

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)