

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 COMMERCIAL

Report Number: P582878

Luminaire Tested: **HC605D010-HM60525830-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC605D010-HM60525830-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 750.9 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

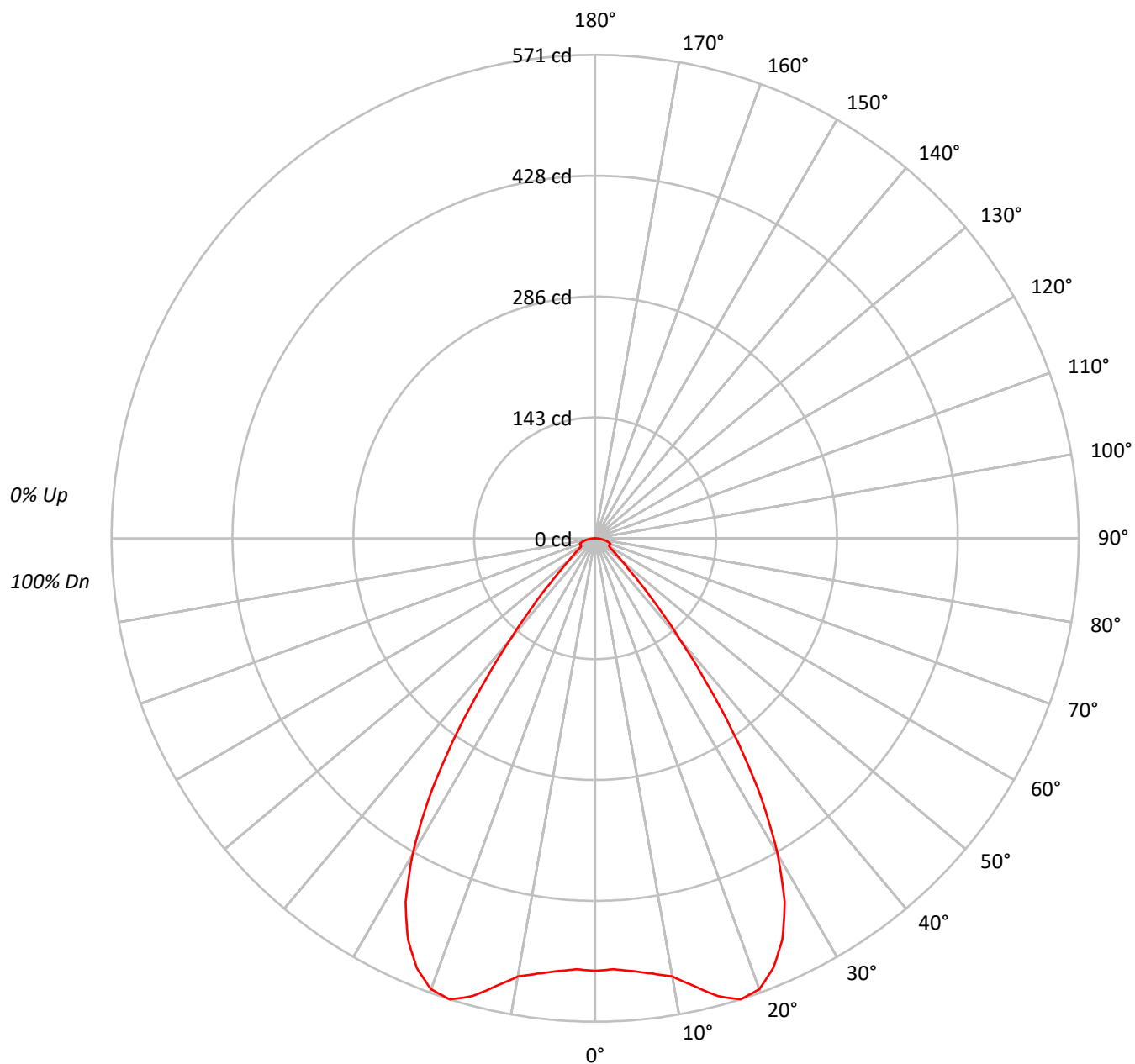
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	78	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	76	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	66	56	49	45	65	55	49	45	54	48	45		53	48	44		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28008
5°	28241
10°	29264
15°	31782
20°	33066
25°	31629
30°	27295
35°	19655
40°	11071
45°	5737
50°	3420
55°	2466
60°	2094
65°	2413
70°	3061
75°	3241
80°	3189
85°	2956



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	6.6
10°-20°	158.0	21.0
20°-30°	236.1	31.4
30°-40°	180.5	24.0
40°-50°	63.1	8.4
50°-60°	24.0	3.2
60°-70°	18.8	2.5
70°-80°	15.9	2.1
80°-90°	5.1	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	443.5	59.1
0°-40°	624.0	83.1
0°-60°	711.1	94.7
0°-90°	750.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	511	
5°	513	49
15°	560	158
25°	523	236
35°	294	180
45°	74	63
55°	26	24
65°	19	19
75°	15	16
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	510.9
2.5°	509.5
5°	513.2
7.5°	518.6
10°	525.7
12.5°	541.9
15°	560.0
17.5°	571.1
20°	566.8
22.5°	549.5
25°	522.9
27.5°	484.7
30°	431.2
32.5°	367.1
35°	293.7
37.5°	217.8
40°	154.7
42.5°	108.4
45°	74.0
47.5°	52.1
50°	40.1
52.5°	31.5
55°	25.8
57.5°	21.0
60°	19.1
62.5°	18.6
65°	18.6
67.5°	19.5
70°	19.1
72.5°	17.6
75°	15.3
77.5°	12.9
80°	10.1
82.5°	7.1
85°	4.7
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)