

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: P582964

Luminaire Tested: **HC605D010-HM60525935-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC605D010-HM60525935-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 568.7 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

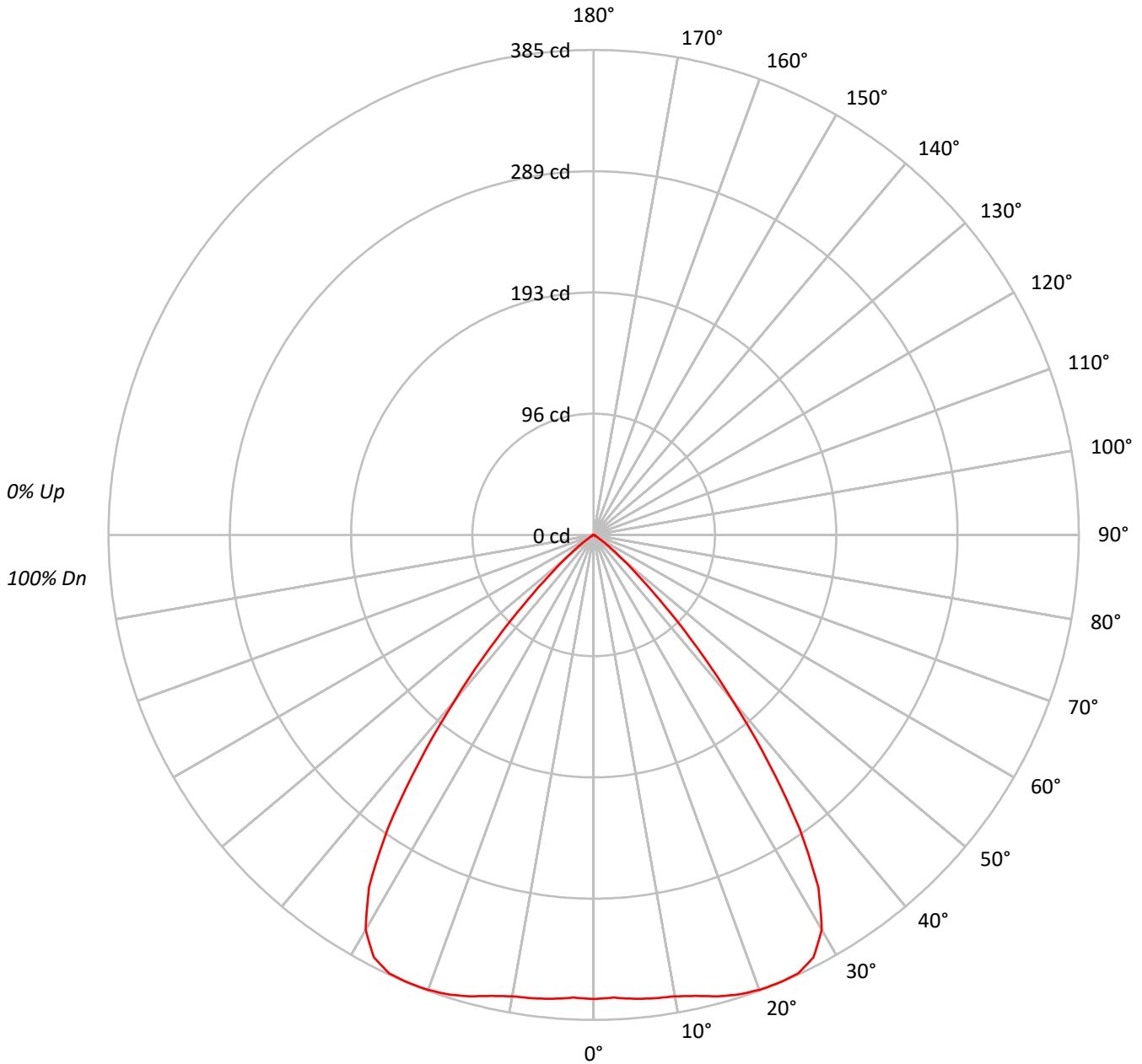
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582964

CATALOG NUMBER: HC605D010-HM60525935-61WDBB

Luminous Intensity Polar Plot





TEST NUMBER: P582964

CATALOG NUMBER: HC605D010-HM60525935-61WDBB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92			92
2	107	101	97	93	104	100	95	92	96	93	90	93	90	88	90	88	86	85			85
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77			77
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71			71
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65			65
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54			54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50			50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20196
5°	20344
10°	20702
15°	21521
20°	22419
25°	23227
30°	22909
35°	19086
40°	12244
45°	6117
50°	2431
55°	822
60°	230
65°	156
70°	144
75°	191
80°	158
85°	0



TEST NUMBER: P582964

CATALOG NUMBER: HC605D010-HM60525935-61WDBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	6.2
10°-20°	107.5	18.9
20°-30°	175.6	30.9
30°-40°	172.1	30.3
40°-50°	66.0	11.6
50°-60°	9.7	1.7
60°-70°	1.4	0.2
70°-80°	0.8	0.1
80°-90°	0.2	0.0
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°	318.5	56.0
0°-40°	490.6	86.3
0°-60°	566.3	99.6
0°-90°	568.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	568.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	368	
5°	370	35
15°	379	108
25°	384	176
35°	285	172
45°	79	66
55°	9	10
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P582964

CATALOG NUMBER: HC605D010-HM60525935-61WDBB

CANDELA DISTRIBUTION (FULL):

	0°
0°	368.4
2.5°	367.6
5°	369.7
7.5°	371.0
10°	371.9
12.5°	374.8
15°	379.2
17.5°	382.6
20°	384.3
22.5°	384.8
25°	384.0
27.5°	377.9
30°	361.9
32.5°	331.8
35°	285.2
37.5°	227.9
40°	171.1
42.5°	121.9
45°	78.9
47.5°	48.3
50°	28.5
52.5°	16.4
55°	8.6
57.5°	3.8
60°	2.1
62.5°	1.7
65°	1.2
67.5°	1.2
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)