

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: P582886

Luminaire Tested: **HC605D010-HM60525835-61NDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC605D010-HM60525835-61NDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 738.8 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

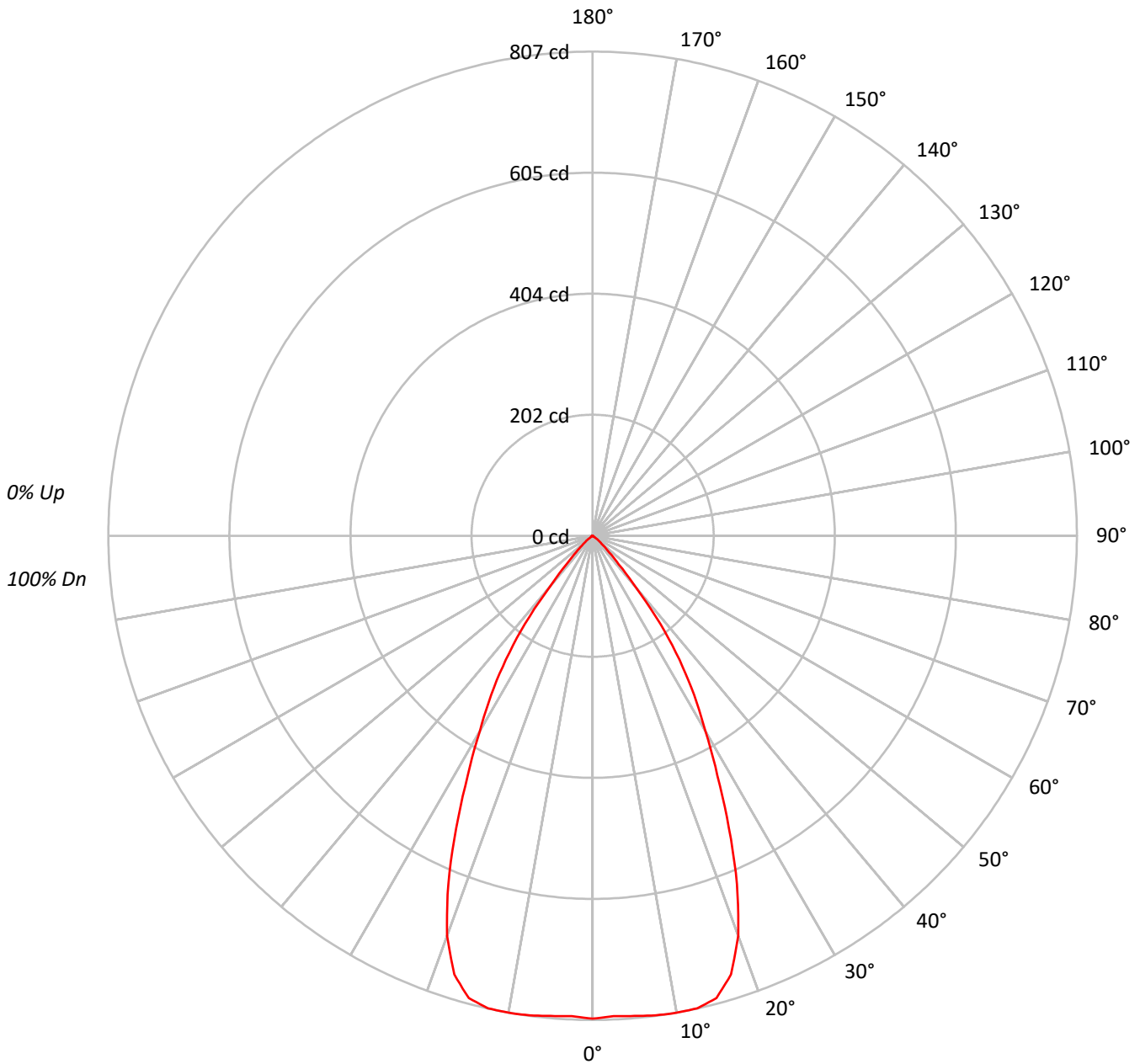
Input Watts (W): 6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582886

CATALOG NUMBER: HC605D010-HM60525835-61NDC

Luminous Intensity Polar Plot





TEST NUMBER: P582886

CATALOG NUMBER: HC605D010-HM60525835-61NDC

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	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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			94
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87			87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82			82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76			76
5	93	85	79	75	91	84	78	75	82	77	74	80	76	73	79	75	73	71			71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67			67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62			62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55			55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52			52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44119
5°	44205
10°	44933
15°	45267
20°	41374
25°	32512
30°	23801
35°	16878
40°	7979
45°	3047
50°	1365
55°	363
60°	164
65°	130
70°	80
75°	106
80°	0
85°	0



TEST NUMBER: P582886

CATALOG NUMBER: HC605D010-HM60525835-61NDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	10.4
10°-20°	220.4	29.8
20°-30°	245.2	33.2
30°-40°	153.2	20.7
40°-50°	36.4	4.9
50°-60°	5.2	0.7
60°-70°	1.1	0.2
70°-80°	0.5	0.1
80°-90°	0.0	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°	542.5	73.4
0°-40°	695.6	94.2
0°-60°	737.2	99.8
0°-90°	738.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	805	
5°	803	77
15°	798	220
25°	538	245
35°	252	153
45°	39	36
55°	4	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P582886

CATALOG NUMBER: HC605D010-HM60525835-61NDC

CANDELA DISTRIBUTION (FULL):

0°	
0°	804.8
2.5°	801.4
5°	803.3
7.5°	806.3
10°	807.2
12.5°	806.7
15°	797.6
17.5°	766.5
20°	709.2
22.5°	628.7
25°	537.5
27.5°	450.2
30°	376.0
32.5°	314.4
35°	252.2
37.5°	185.3
40°	111.5
42.5°	64.5
45°	39.3
47.5°	25.2
50°	16.0
52.5°	9.3
55°	3.8
57.5°	1.9
60°	1.5
62.5°	1.5
65°	1.0
67.5°	1.0
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)