

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: P581737

Luminaire Tested: **HC615D010-HM60525835-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525835-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1534.1 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

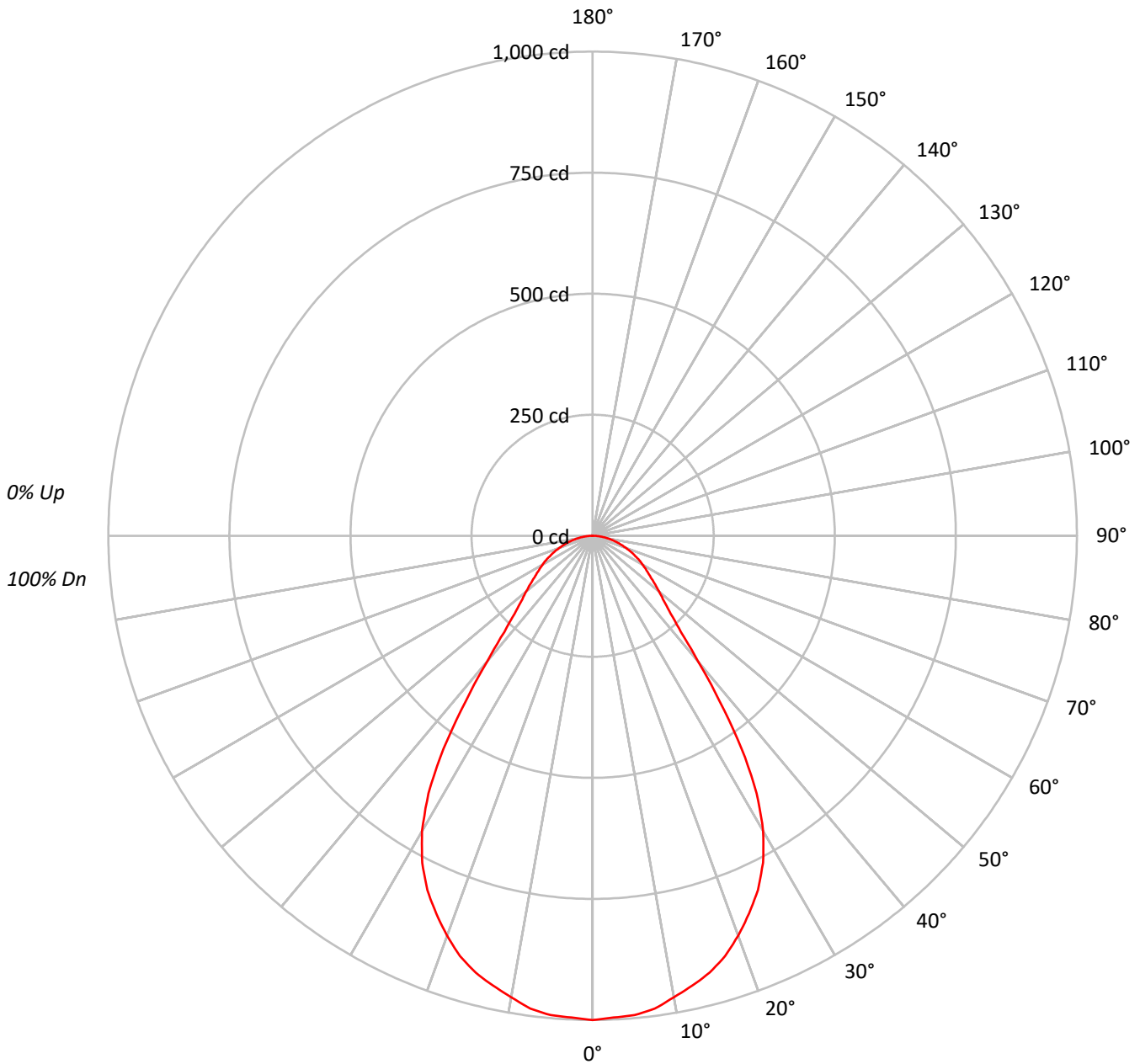
Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581737

CATALOG NUMBER: HC615D010-HM60525835-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P581737

CATALOG NUMBER: HC615D010-HM60525835-61PSMDW

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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54837
5°	54688
10°	53868
15°	53014
20°	51268
25°	48831
30°	44589
35°	35898
40°	24195
45°	17645
50°	15249
55°	13773
60°	13069
65°	12362
70°	11637
75°	11014
80°	10260
85°	9561



TEST NUMBER: P581737

CATALOG NUMBER: HC615D010-HM60525835-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	6.1
10°-20°	262.3	17.1
20°-30°	368.6	24.0
30°-40°	328.1	21.4
40°-50°	183.3	12.0
50°-60°	130.6	8.5
60°-70°	95.0	6.2
70°-80°	55.0	3.6
80°-90°	17.1	1.1
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°	724.9	47.3
0°-40°	1053.0	68.6
0°-60°	1367.0	89.1
0°-90°	1534.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1534.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1000	
5°	994	94
15°	934	262
25°	807	369
35°	536	328
45°	228	183
55°	144	131
65°	95	95
75°	52	55
85°	15	17
90°	0	



TEST NUMBER: P581737

CATALOG NUMBER: HC615D010-HM60525835-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1000.3
2.5°	996.0
5°	993.8
7.5°	985.1
10°	967.7
12.5°	951.5
15°	934.1
17.5°	910.3
20°	878.8
22.5°	844.2
25°	807.3
27.5°	761.8
30°	704.4
32.5°	630.7
35°	536.4
37.5°	430.3
40°	338.1
42.5°	269.8
45°	227.6
47.5°	199.4
50°	178.8
52.5°	160.4
55°	144.1
57.5°	131.1
60°	119.2
62.5°	108.4
65°	95.3
67.5°	84.6
70°	72.6
72.5°	61.7
75°	52.0
77.5°	42.2
80°	32.5
82.5°	23.8
85°	15.2
87.5°	7.6
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)