

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: P581713

Luminaire Tested: **HC615D010-HM60525830-61MDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525830-61MDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1681.6 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

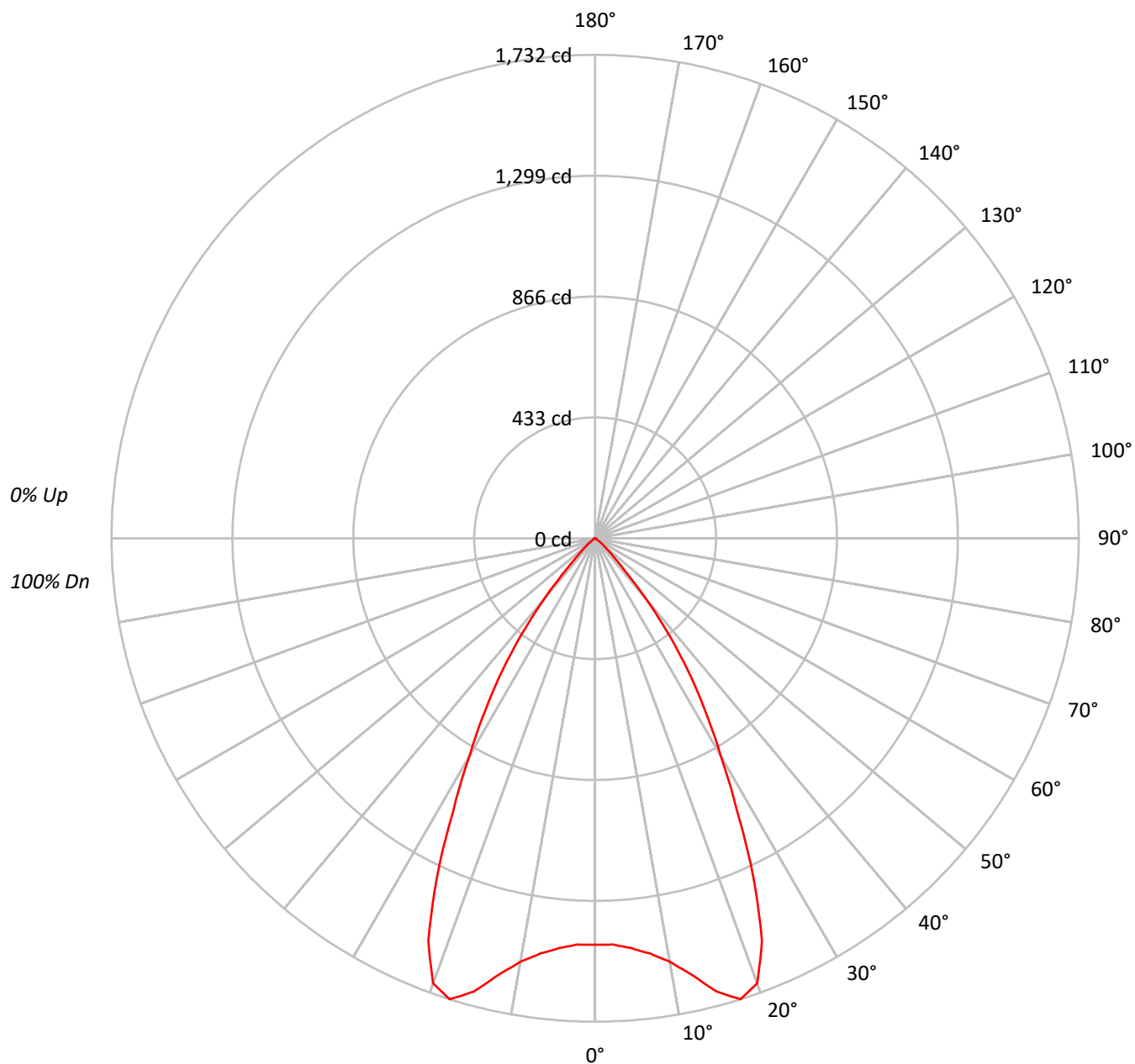
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581713

CATALOG NUMBER: HC615D010-HM60525830-61MDC

Luminous Intensity Polar Plot





TEST NUMBER: P581713

CATALOG NUMBER: HC615D010-HM60525830-61MDC

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	93		95	93	91		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	89	83	79		86	82	79		84	81	78		83	79	77
5	92	84	78	74		91	83	78	73		81	76	73		80	75	72		78	74	72
6	88	79	73	68		86	78	72	68		76	71	68		75	71	67		74	70	67
7	83	74	68	64		82	73	68	63		72	67	63		71	66	63		70	66	62
8	79	70	63	59		78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	66	60	56		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		61	55	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79857
5°	81097
10°	85720
15°	95438
20°	98977
25°	81210
30°	56901
35°	38822
40°	20224
45°	7109
50°	3181
55°	1023
60°	581
65°	415
70°	353
75°	212
80°	0
85°	0



TEST NUMBER: P581713

CATALOG NUMBER: HC615D010-HM60525830-61MDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.8	8.5
10°-20°	472.9	28.1
20°-30°	602.2	35.8
30°-40°	358.9	21.3
40°-50°	87.0	5.2
50°-60°	13.4	0.8
60°-70°	3.3	0.2
70°-80°	1.1	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°	1217.9	72.4
0°-40°	1576.8	93.8
0°-60°	1677.2	99.7
0°-90°	1681.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1681.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1457	
5°	1474	143
15°	1682	473
25°	1343	602
35°	580	359
45°	92	87
55°	11	13
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P581713

CATALOG NUMBER: HC615D010-HM60525830-61MDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	1456.7
2.5°	1456.7
5°	1473.7
7.5°	1500.4
10°	1539.9
12.5°	1601.7
15°	1681.6
17.5°	1731.8
20°	1696.6
22.5°	1561.2
25°	1342.6
27.5°	1101.5
30°	898.9
32.5°	734.7
35°	580.1
37.5°	427.7
40°	282.6
42.5°	152.5
45°	91.7
47.5°	57.5
50°	37.3
52.5°	22.4
55°	10.7
57.5°	6.4
60°	5.3
62.5°	4.3
65°	3.2
67.5°	2.2
70°	2.2
72.5°	1.0
75°	1.0
77.5°	1.0
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)