

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: P581930

Luminaire Tested: **HC620D010-HM60525930-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525930-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1748.6 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

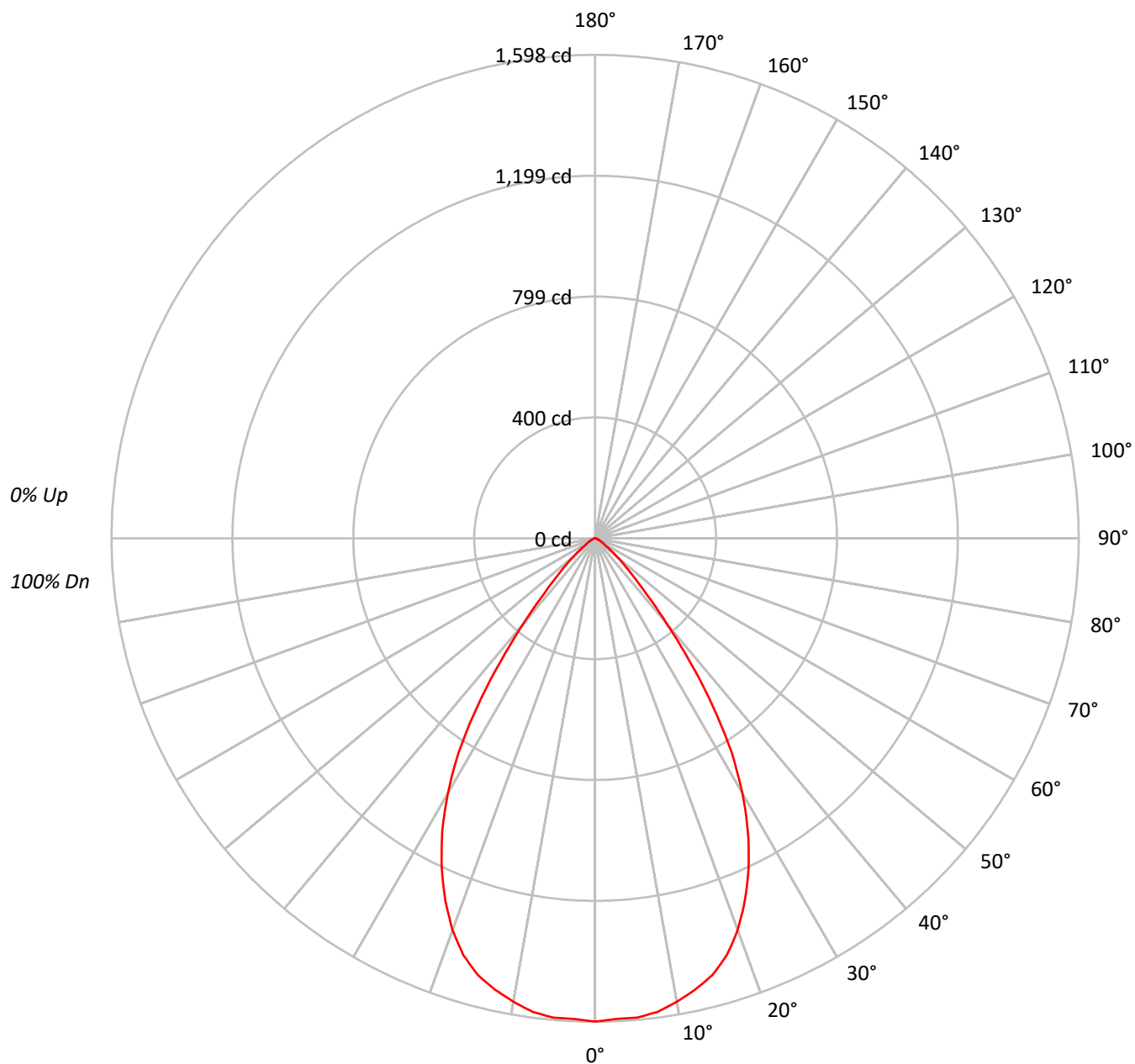
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581930

CATALOG NUMBER: HC620D010-HM60525930-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P581930

CATALOG NUMBER: HC620D010-HM60525930-61MDH

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	96	88	82	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	71	89	80	75	70	79	74	70		77	73	69		75
6	85	76	70	65	84	75	69	65	74	68	64		72	67	64		71
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87575
5°	87508
10°	86594
15°	84853
20°	80379
25°	72591
30°	61655
35°	45528
40°	26328
45°	13978
50°	7897
55°	4129
60°	2708
65°	1920
70°	1378
75°	1059
80°	789
85°	755



TEST NUMBER: P581930

CATALOG NUMBER: HC620D010-HM60525930-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	8.6
10°-20°	418.2	23.9
20°-30°	545.8	31.2
30°-40°	417.1	23.9
40°-50°	151.0	8.6
50°-60°	43.9	2.5
60°-70°	15.6	0.9
70°-80°	5.4	0.3
80°-90°	1.0	0.1
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°	1114.7	63.7
0°-40°	1531.7	87.6
0°-60°	1726.6	98.7
0°-90°	1748.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1748.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1598	
5°	1590	151
15°	1495	418
25°	1200	546
35°	680	417
45°	180	151
55°	43	44
65°	15	16
75°	5	5
85°	1	1
90°	0	



TEST NUMBER: P581930

CATALOG NUMBER: HC620D010-HM60525930-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1597.5
2.5°	1590.2
5°	1590.2
7.5°	1579.1
10°	1555.6
12.5°	1528.4
15°	1495.1
17.5°	1445.7
20°	1377.8
22.5°	1293.9
25°	1200.1
27.5°	1093.8
30°	974.0
32.5°	839.6
35°	680.3
37.5°	513.6
40°	367.9
42.5°	254.4
45°	180.3
47.5°	129.6
50°	92.6
52.5°	65.5
55°	43.2
57.5°	30.8
60°	24.7
62.5°	19.7
65°	14.8
67.5°	12.3
70°	8.6
72.5°	6.1
75°	5.0
77.5°	3.7
80°	2.5
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)