

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: P581913

Luminaire Tested: **HC620D010-HM60525927-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525927-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1561.1 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

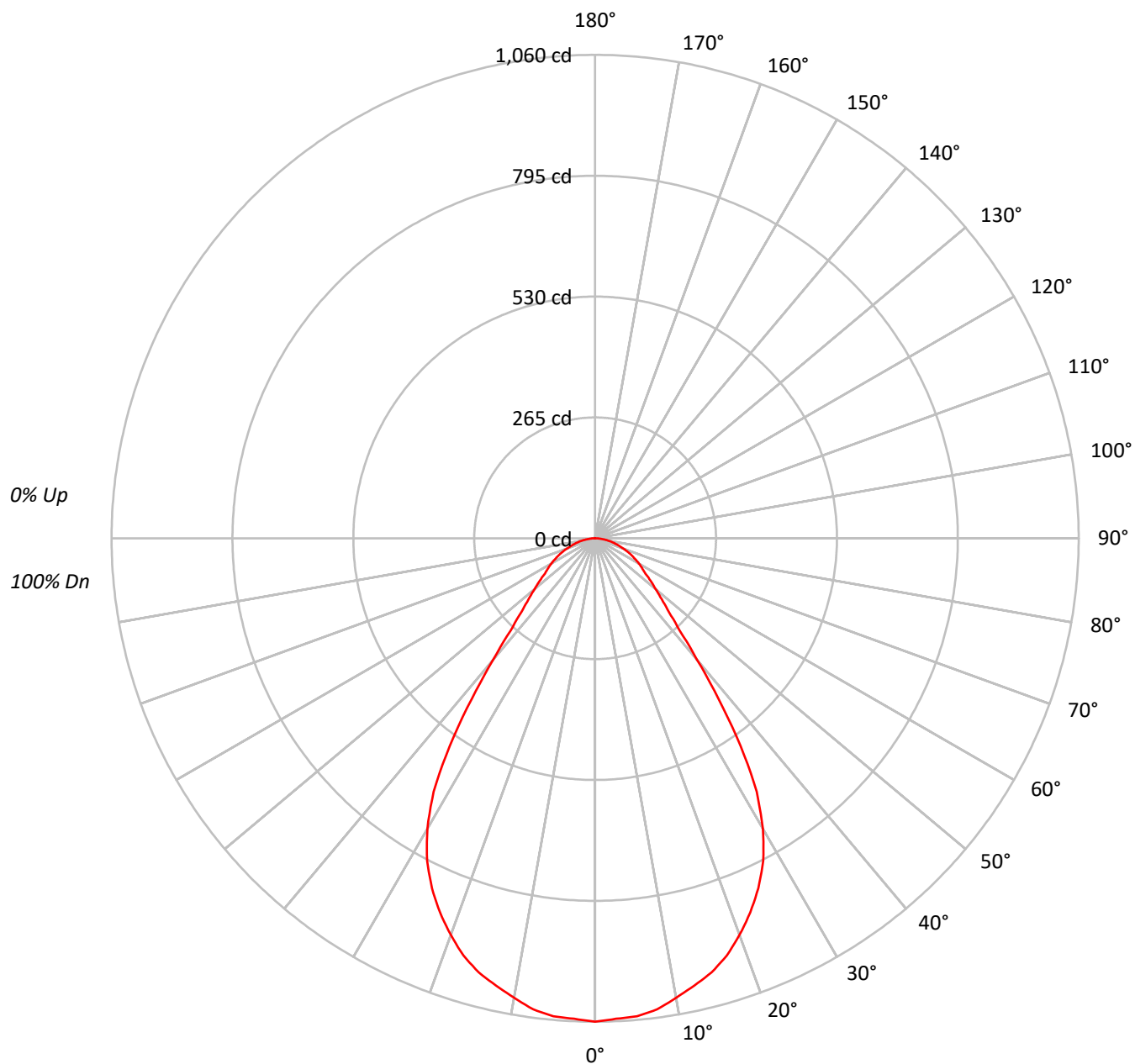
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581913

CATALOG NUMBER: HC620D010-HM60525927-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P581913

CATALOG NUMBER: HC620D010-HM60525927-61MDW

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	111	108	104	101		109	105	102	100		101	99	96		97	95	94		94	92	91
2	104	97	92	87		101	95	90	86		92	88	84		89	85	82		86	83	81
3	97	88	82	76		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	80	73	68		88	79	73	67		77	71	67		75	70	66		73	68	65
5	84	74	66	61		82	73	66	61		71	65	60		69	64	59		67	63	59
6	79	68	61	55		77	67	60	55		65	59	55		64	58	54		62	58	54
7	74	63	55	50		73	62	55	50		61	54	50		59	54	50		58	53	49
8	70	58	51	46		69	58	51	46		57	50	46		55	50	46		54	49	45
9	66	54	47	43		65	54	47	42		53	47	42		52	46	42		51	46	42
10	62	51	44	39		61	50	44	39		49	43	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58109
5°	57902
10°	56935
15°	55931
20°	53992
25°	51203
30°	46577
35°	37216
40°	24825
45°	17700
50°	14746
55°	12855
60°	12148
65°	11428
70°	10515
75°	9807
80°	8903
85°	7862



TEST NUMBER: P581913

CATALOG NUMBER: HC620D010-HM60525927-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	6.4
10°-20°	276.7	17.7
20°-30°	386.7	24.8
30°-40°	340.6	21.8
40°-50°	184.0	11.8
50°-60°	123.0	7.9
60°-70°	87.2	5.6
70°-80°	49.0	3.1
80°-90°	14.3	0.9
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°	762.9	48.9
0°-40°	1103.5	70.7
0°-60°	1410.6	90.4
0°-90°	1561.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1561.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1060	
5°	1052	100
15°	986	277
25°	846	387
35°	556	341
45°	228	184
55°	134	123
65°	88	87
75°	46	49
85°	12	14
90°	0	



TEST NUMBER: P581913

CATALOG NUMBER: HC620D010-HM60525927-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1060.0
2.5°	1054.5
5°	1052.2
7.5°	1042.0
10°	1022.8
12.5°	1004.7
15°	985.5
17.5°	959.5
20°	925.5
22.5°	888.3
25°	846.5
27.5°	797.9
30°	735.8
32.5°	658.8
35°	556.1
37.5°	444.1
40°	346.9
42.5°	273.5
45°	228.3
47.5°	197.8
50°	172.9
52.5°	152.6
55°	134.5
57.5°	122.0
60°	110.8
62.5°	99.5
65°	88.1
67.5°	76.8
70°	65.6
72.5°	55.4
75°	46.3
77.5°	37.3
80°	28.2
82.5°	20.4
85°	12.5
87.5°	5.7
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)