

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: P581939

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525930-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1990.5 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

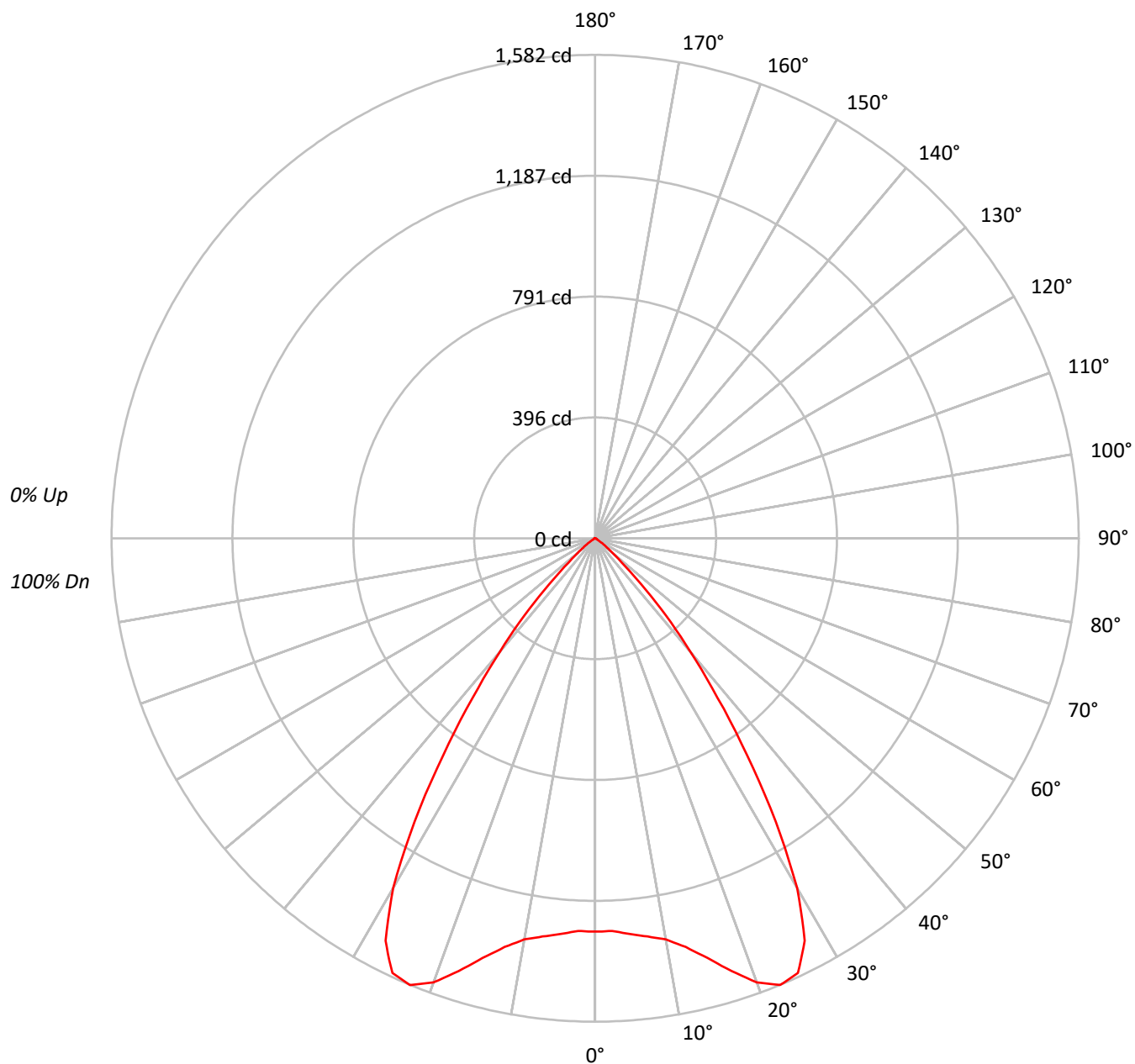
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581939

CATALOG NUMBER: HC620D010-HM60525930-61WDC

Luminous Intensity Polar Plot





TEST NUMBER: P581939

CATALOG NUMBER: HC620D010-HM60525930-61WDC

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	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	82		88	84	81		85
4	95	87	81	77	93	86	80	76	84	79	75		82	78	74		80
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	63	59	79	69	63	59	68	62	58		67	62	58		66
8	76	65	59	54	74	65	59	54	64	58	54		62	57	54		61
9	71	61	55	50	70	60	54	50	60	54	50		59	53	50		58
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70570
5°	71522
10°	74203
15°	80693
20°	90215
25°	94959
30°	83595
35°	57982
40°	34622
45°	16459
50°	6217
55°	2600
60°	811
65°	649
70°	401
75°	254
80°	379
85°	0



TEST NUMBER: P581939

CATALOG NUMBER: HC620D010-HM60525930-61WDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	6.3
10°-20°	408.3	20.5
20°-30°	699.6	35.1
30°-40°	543.3	27.3
40°-50°	179.6	9.0
50°-60°	27.6	1.4
60°-70°	4.9	0.2
70°-80°	1.8	0.1
80°-90°	0.5	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°	1232.9	61.9
0°-40°	1776.2	89.2
0°-60°	1983.4	99.6
0°-90°	1990.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1990.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1287	
5°	1300	125
15°	1422	408
25°	1570	700
35°	866	543
45°	212	180
55°	27	28
65°	5	5
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P581939

CATALOG NUMBER: HC620D010-HM60525930-61WDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	1287.3
2.5°	1286.1
5°	1299.7
7.5°	1314.4
10°	1333.0
12.5°	1369.9
15°	1421.8
17.5°	1484.7
20°	1546.4
22.5°	1582.2
25°	1569.9
27.5°	1484.7
30°	1320.6
32.5°	1099.7
35°	866.4
37.5°	657.8
40°	483.8
42.5°	341.8
45°	212.3
47.5°	118.5
50°	72.9
52.5°	44.4
55°	27.2
57.5°	13.6
60°	7.4
62.5°	6.1
65°	5.0
67.5°	3.7
70°	2.5
72.5°	2.5
75°	1.2
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)