

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: P581879

Luminaire Tested: **HC620D010-HM60525835-61NDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525835-61NDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2123.9 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

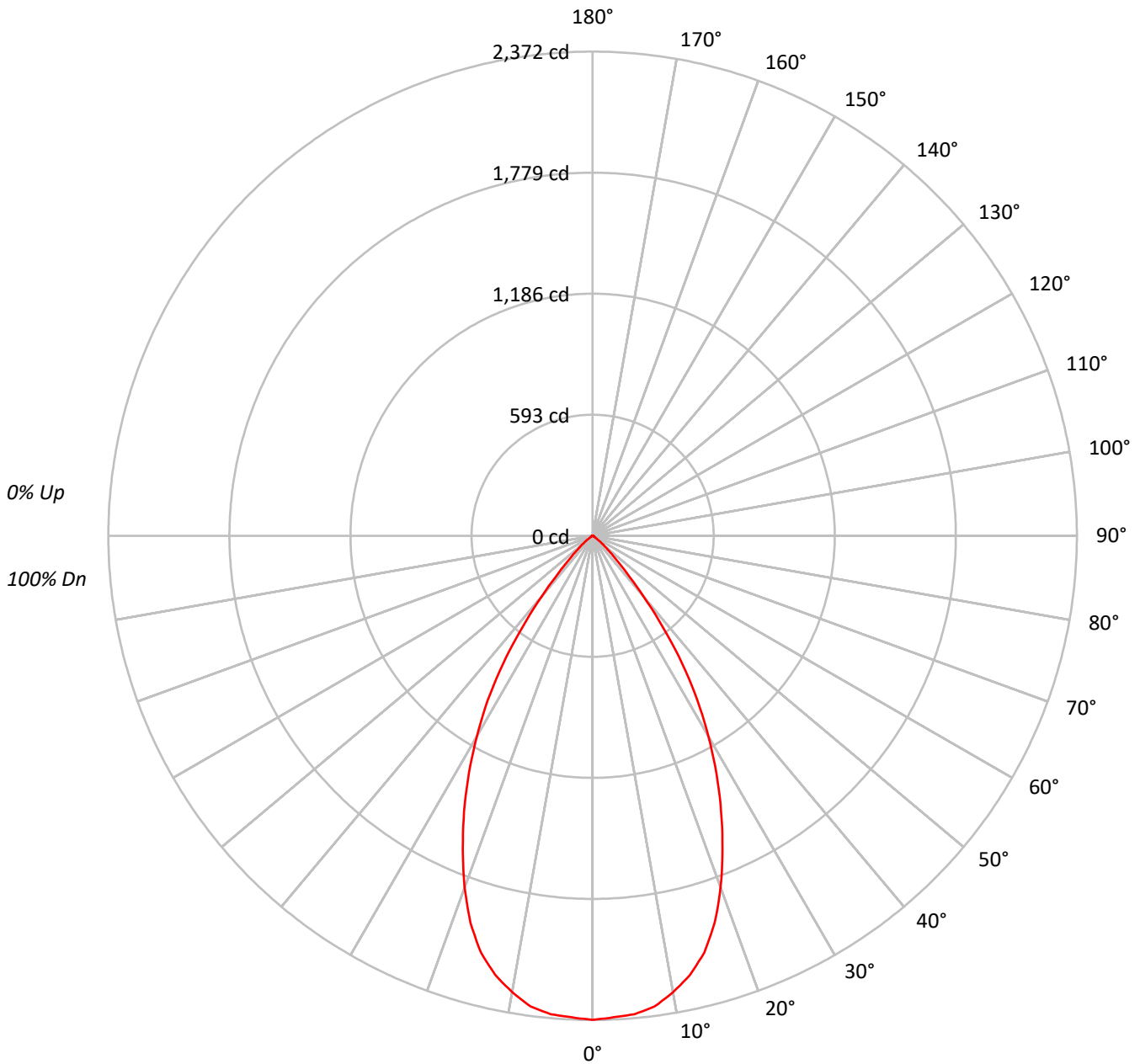
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581879

CATALOG NUMBER: HC620D010-HM60525835-61NDH

Luminous Intensity Polar Plot





TEST NUMBER: P581879

CATALOG NUMBER: HC620D010-HM60525835-61NDH

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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	66	62	61			
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57			
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54			
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130012
5°	129463
10°	126395
15°	119984
20°	106946
25°	90084
30°	71777
35°	51203
40°	27537
45°	11800
50°	5364
55°	1959
60°	954
65°	765
70°	705
75°	318
80°	474
85°	0



TEST NUMBER: P581879

CATALOG NUMBER: HC620D010-HM60525835-61NDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.1	10.5
10°-20°	586.0	27.6
20°-30°	678.7	32.0
30°-40°	469.3	22.1
40°-50°	135.5	6.4
50°-60°	23.3	1.1
60°-70°	6.0	0.3
70°-80°	2.3	0.1
80°-90°	0.6	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°	1486.8	70.0
0°-40°	1956.1	92.1
0°-60°	2115.0	99.6
0°-90°	2123.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2123.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2372	
5°	2353	222
15°	2114	586
25°	1489	679
35°	765	469
45°	152	136
55°	20	23
65°	6	6
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P581879

CATALOG NUMBER: HC620D010-HM60525835-61NDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2371.6
2.5°	2361.4
5°	2352.6
7.5°	2326.3
10°	2270.6
12.5°	2203.3
15°	2114.1
17.5°	1988.3
20°	1833.2
22.5°	1662.0
25°	1489.3
27.5°	1312.4
30°	1133.9
32.5°	955.3
35°	765.1
37.5°	567.6
40°	384.8
42.5°	242.9
45°	152.2
47.5°	98.0
50°	62.9
52.5°	38.1
55°	20.5
57.5°	11.7
60°	8.7
62.5°	7.4
65°	5.9
67.5°	4.4
70°	4.4
72.5°	2.9
75°	1.5
77.5°	1.5
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)