

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: P581876

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581876
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-HM60525835-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2072.7 lumens
Efficiency: N/A
Efficacy: 103.6 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

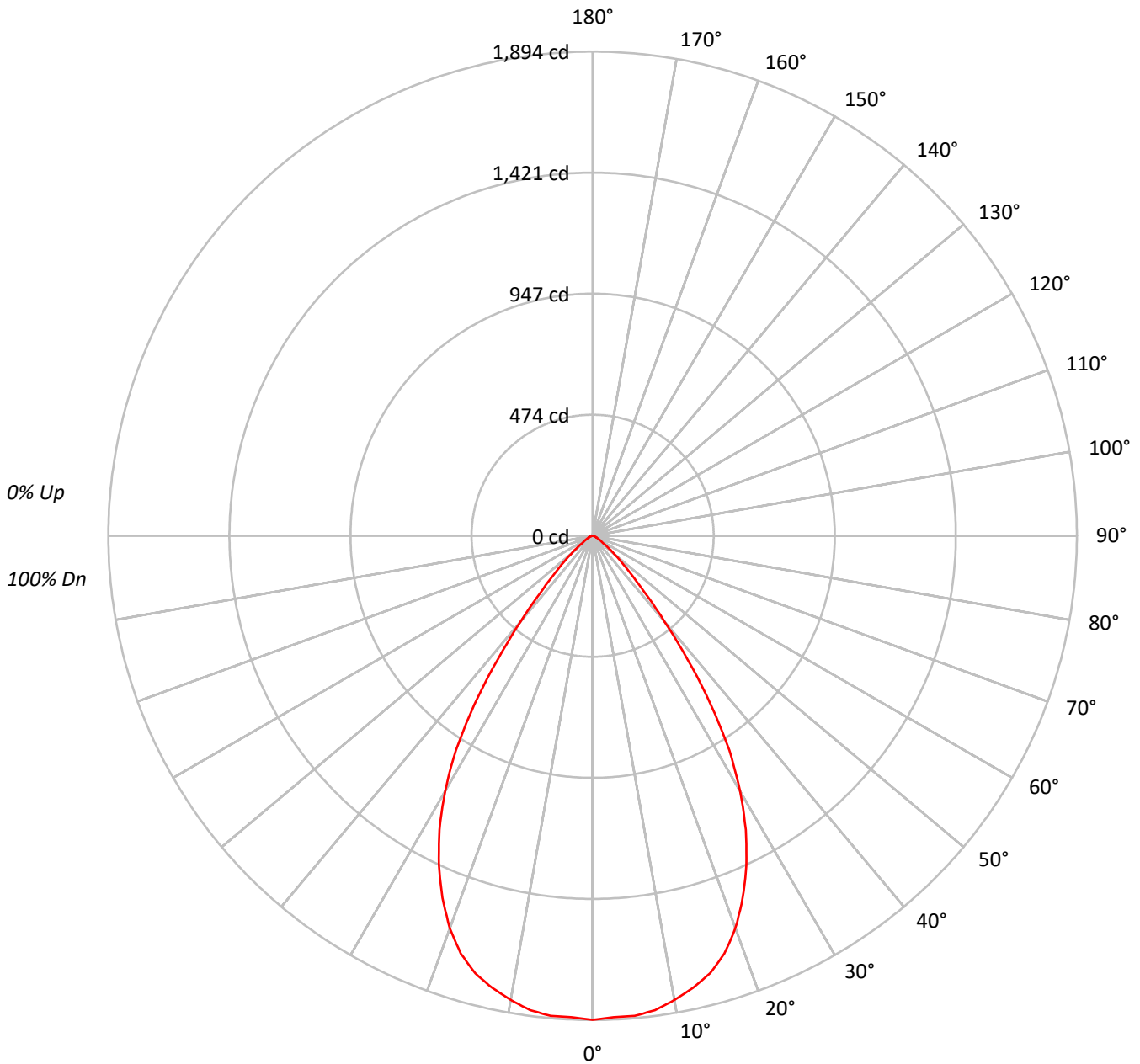
Input Watts (W): 20
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581876

CATALOG NUMBER: HC620D010-HM60525835-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P581876

CATALOG NUMBER: HC620D010-HM60525835-61MDH

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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	72	72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67	67	67	67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62	62	62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57	57	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103807
5°	103714
10°	102637
15°	100574
20°	95272
25°	86037
30°	73081
35°	53967
40°	31208
45°	16568
50°	9364
55°	4893
60°	3201
65°	2283
70°	1635
75°	1250
80°	916
85°	943



TEST NUMBER: P581876

CATALOG NUMBER: HC620D010-HM60525835-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	8.6
10°-20°	495.6	23.9
20°-30°	646.9	31.2
30°-40°	494.4	23.9
40°-50°	179.0	8.6
50°-60°	52.0	2.5
60°-70°	18.6	0.9
70°-80°	6.4	0.3
80°-90°	1.2	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°	1321.2	63.7
0°-40°	1815.6	87.6
0°-60°	2046.5	98.7
0°-90°	2072.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2072.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1894	
5°	1885	179
15°	1772	496
25°	1422	647
35°	806	494
45°	214	179
55°	51	52
65°	18	19
75°	6	6
85°	2	1
90°	0	



TEST NUMBER: P581876

CATALOG NUMBER: HC620D010-HM60525835-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1893.6
2.5°	1884.7
5°	1884.7
7.5°	1871.6
10°	1843.8
12.5°	1811.7
15°	1772.1
17.5°	1713.5
20°	1633.1
22.5°	1533.6
25°	1422.4
27.5°	1296.5
30°	1154.5
32.5°	995.1
35°	806.4
37.5°	608.8
40°	436.1
42.5°	301.5
45°	213.7
47.5°	153.6
50°	109.8
52.5°	77.6
55°	51.2
57.5°	36.6
60°	29.2
62.5°	23.5
65°	17.6
67.5°	14.6
70°	10.2
72.5°	7.4
75°	5.9
77.5°	4.4
80°	2.9
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)