

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: P581880

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525835-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1990.8 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

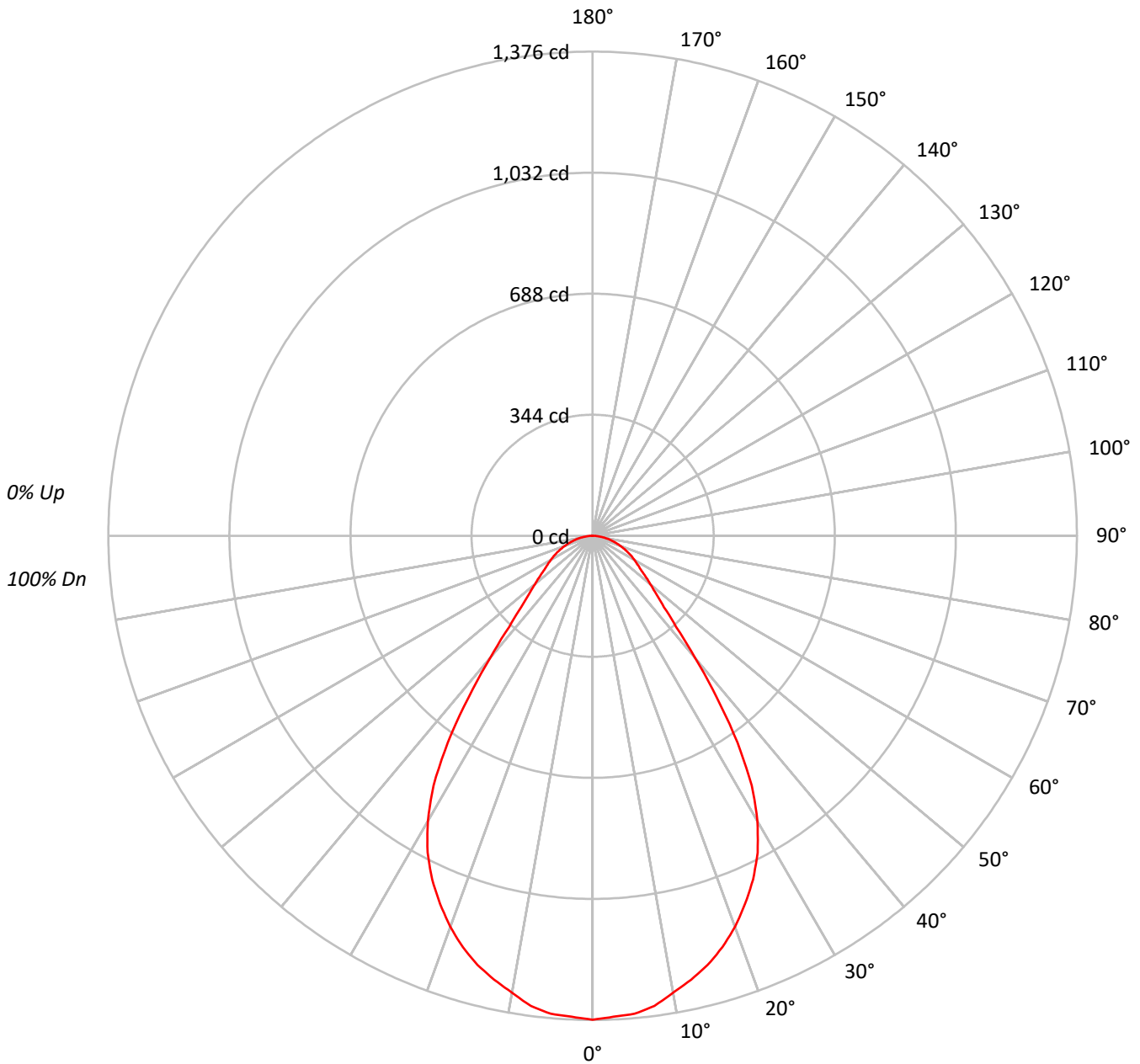
Input Watts (W): 20
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581880

CATALOG NUMBER: HC620D010-HM60525835-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P581880

CATALOG NUMBER: HC620D010-HM60525835-61NDW

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
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75405
5°	75044
10°	73390
15°	71663
20°	68973
25°	65230
30°	59275
35°	47984
40°	32361
45°	22235
50°	18225
55°	15942
60°	15076
65°	14243
70°	13368
75°	12687
80°	11555
85°	10127



TEST NUMBER: P581880

CATALOG NUMBER: HC620D010-HM60525835-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	6.5
10°-20°	354.6	17.8
20°-30°	492.7	24.7
30°-40°	438.7	22.0
40°-50°	232.9	11.7
50°-60°	152.3	7.6
60°-70°	109.1	5.5
70°-80°	63.3	3.2
80°-90°	18.5	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°	976.0	49.0
0°-40°	1414.7	71.1
0°-60°	1799.8	90.4
0°-90°	1990.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1990.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1376	
5°	1364	129
15°	1263	355
25°	1078	493
35°	717	439
45°	287	233
55°	167	152
65°	110	109
75°	60	63
85°	16	19
90°	0	



TEST NUMBER: P581880

CATALOG NUMBER: HC620D010-HM60525835-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1375.5
2.5°	1368.1
5°	1363.7
7.5°	1347.6
10°	1318.4
12.5°	1292.1
15°	1262.7
17.5°	1226.1
20°	1182.3
22.5°	1132.5
25°	1078.4
27.5°	1015.5
30°	936.4
32.5°	841.4
35°	717.0
37.5°	579.4
40°	452.2
42.5°	351.1
45°	286.8
47.5°	244.4
50°	213.7
52.5°	188.8
55°	166.8
57.5°	150.7
60°	137.5
62.5°	124.4
65°	109.8
67.5°	96.5
70°	83.4
72.5°	71.7
75°	59.9
77.5°	48.3
80°	36.6
82.5°	26.3
85°	16.1
87.5°	7.4
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)