

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: P583314

Luminaire Tested: **HC6R07D010-HM60525830-62RMDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC6R07D010-HM60525830-62RMDC
Description: HALO COMMERCIAL 6" ROUND, RETROFIT FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 996.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

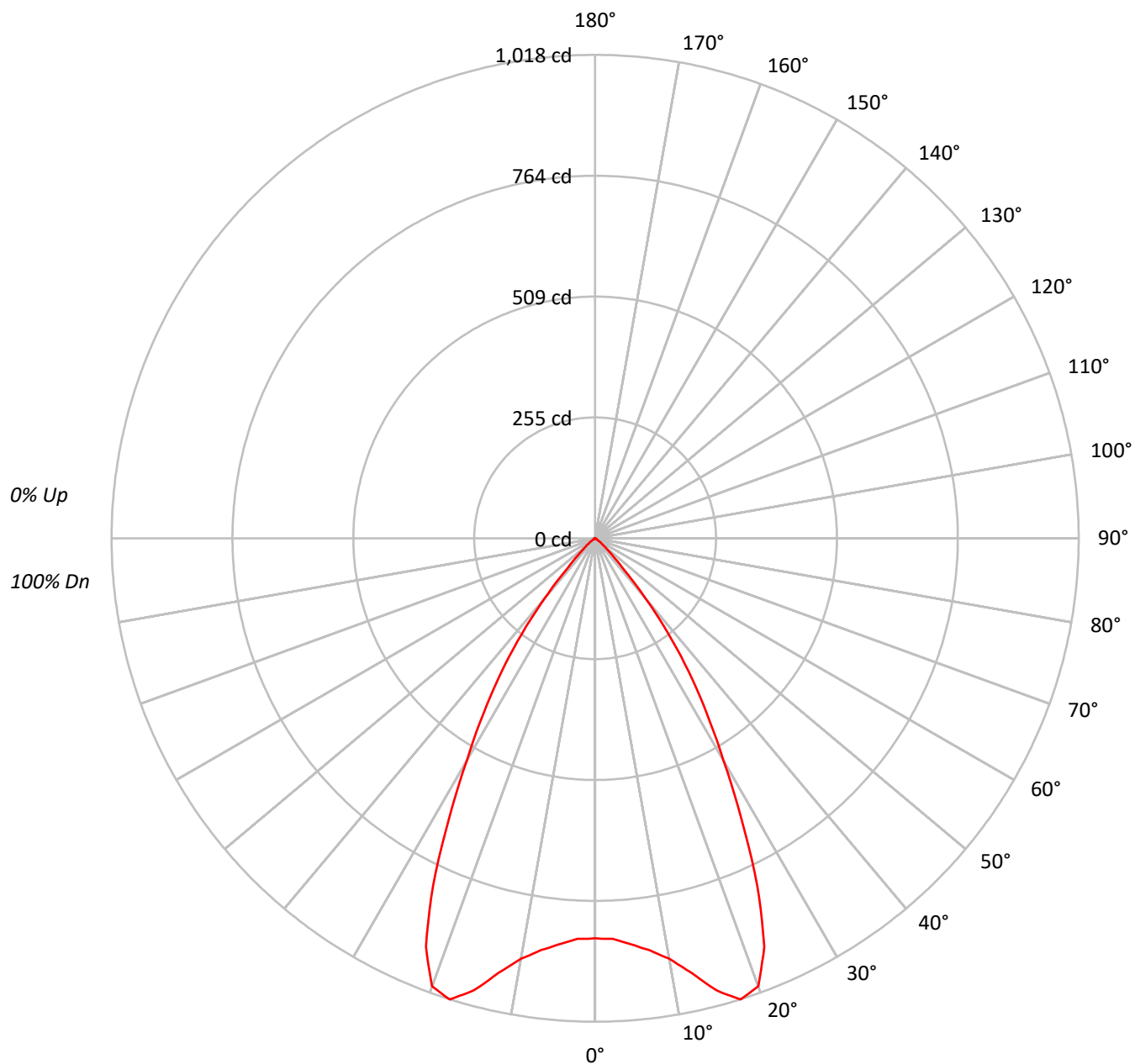
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583314

CATALOG NUMBER: HC6R07D010-HM60525830-62RMDC

Luminous Intensity Polar Plot





TEST NUMBER: P583314

CATALOG NUMBER: HC6R07D010-HM60525830-62RMDC

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	92		95	93	91		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	89	83	79	86	82	79		84	81	78		83
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	73	67	63	72	67	63		71	66	63		70
8	79	69	63	59	78	69	63	59	68	63	59		67	62	59		66
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	60	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46191
5°	47204
10°	50038
15°	55931
20°	58560
25°	48831
30°	34176
35°	23015
40°	11851
45°	4117
50°	1834
55°	602
60°	274
65°	246
70°	192
75°	148
80°	221
85°	0



TEST NUMBER: P583314

CATALOG NUMBER: HC6R07D010-HM60525830-62RMDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	8.3
10°-20°	277.7	27.9
20°-30°	360.9	36.2
30°-40°	213.2	21.4
40°-50°	50.9	5.1
50°-60°	7.5	0.8
60°-70°	1.8	0.2
70°-80°	0.8	0.1
80°-90°	0.1	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°	721.7	72.5
0°-40°	934.9	93.9
0°-60°	993.2	99.7
0°-90°	996.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	996.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	843	
5°	858	83
15°	986	278
25°	807	361
35°	344	213
45°	53	51
55°	6	8
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P583314

CATALOG NUMBER: HC6R07D010-HM60525830-62RMDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	842.6
2.5°	844.5
5°	857.8
7.5°	874.9
10°	898.9
12.5°	936.8
15°	985.5
17.5°	1018.3
20°	1003.8
22.5°	930.5
25°	807.3
27.5°	666.2
30°	539.9
32.5°	436.8
35°	343.9
37.5°	252.9
40°	165.6
42.5°	90.4
45°	53.1
47.5°	32.9
50°	21.5
52.5°	12.7
55°	6.3
57.5°	3.2
60°	2.5
62.5°	2.5
65°	1.9
67.5°	1.2
70°	1.2
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)