

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P581790

Luminaire Tested: **HCC6S15D010MW-HM60525930-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581790
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: HCC6S15D010MW-HM60525930-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

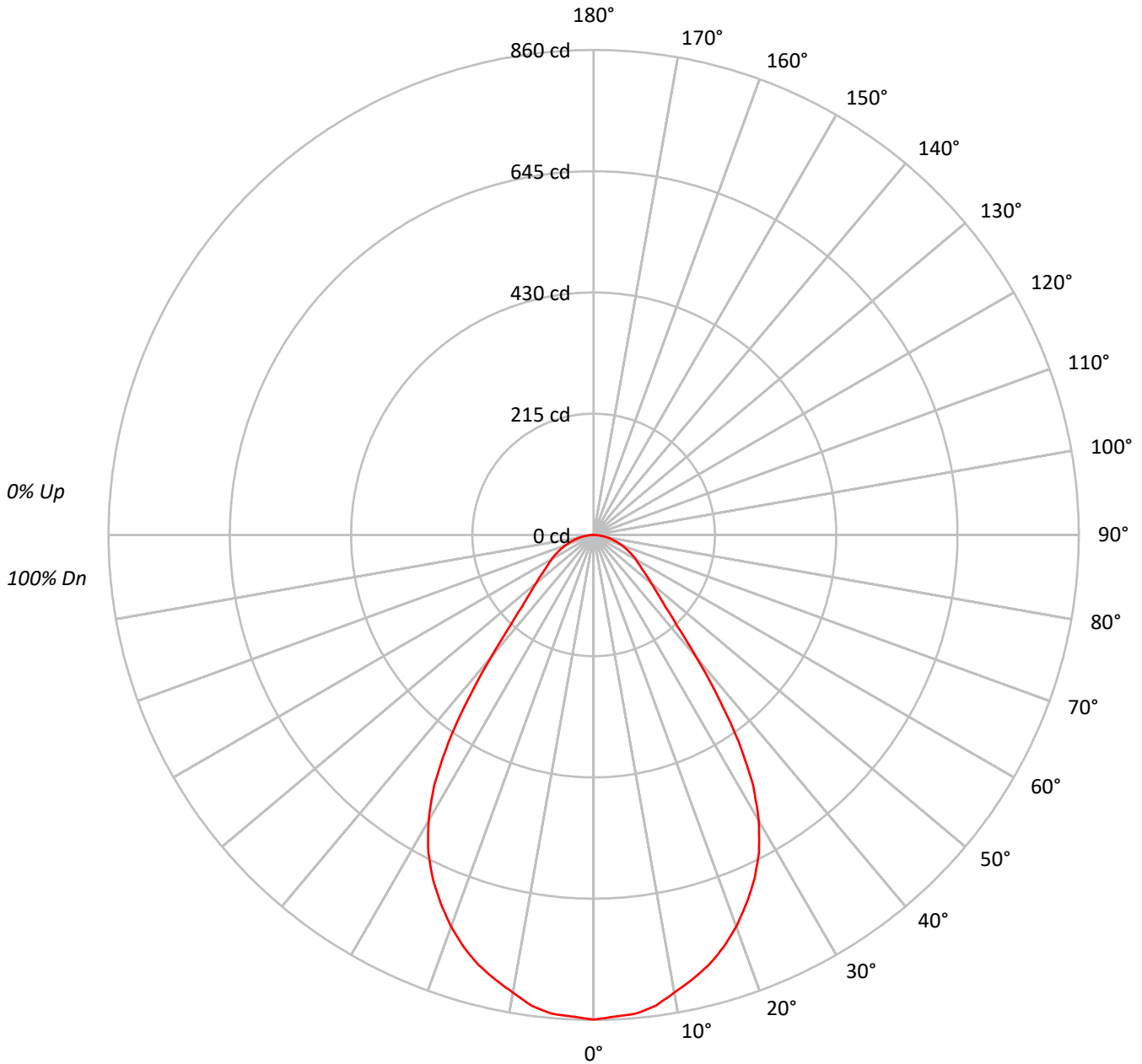
Lumens per Lamp: N/A
Luminaire Lumens: 1244.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P581790
CATALOG NUMBER: HCC6S15D010MW-HM60525930-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P581790

CATALOG NUMBER: HCC6S15D010MW-HM60525930-61NDW

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	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47118
5°	46902
10°	45863
15°	44790
20°	43106
25°	40768
30°	37044
35°	29988
40°	20216
45°	13893
50°	11386
55°	9959
60°	9418
65°	8898
70°	8351
75°	7943
80°	7198
85°	6353



TEST NUMBER: P581790
 CATALOG NUMBER: HCC6S15D010MW-HM60525930-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	6.5
10°-20°	221.6	17.8
20°-30°	307.9	24.7
30°-40°	274.1	22.0
40°-50°	145.5	11.7
50°-60°	95.1	7.6
60°-70°	68.2	5.5
70°-80°	39.5	3.2
80°-90°	11.6	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°	610.0	49.0
0°-40°	884.1	71.1
0°-60°	1124.7	90.4
0°-90°	1244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1244.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	860	
5°	852	80
15°	789	222
25°	674	308
35°	448	274
45°	179	146
55°	104	95
65°	69	68
75°	38	40
85°	10	12
90°	0	



TEST NUMBER: P581790
CATALOG NUMBER: HCC6S15D010MW-HM60525930-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	859.5
2.5°	855.0
5°	852.3
7.5°	842.2
10°	823.9
12.5°	807.4
15°	789.2
17.5°	766.2
20°	738.9
22.5°	707.8
25°	674.0
27.5°	634.6
30°	585.2
32.5°	525.7
35°	448.1
37.5°	362.1
40°	282.5
42.5°	219.5
45°	179.2
47.5°	152.7
50°	133.5
52.5°	117.9
55°	104.2
57.5°	94.2
60°	85.9
62.5°	77.7
65°	68.6
67.5°	60.4
70°	52.1
72.5°	44.8
75°	37.5
77.5°	30.2
80°	22.8
82.5°	16.5
85°	10.1
87.5°	4.5
90°	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)