

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: P582147

Luminaire Tested: **HCC6S30D010MB-HM63040830-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S30D010MB-HM63040830-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

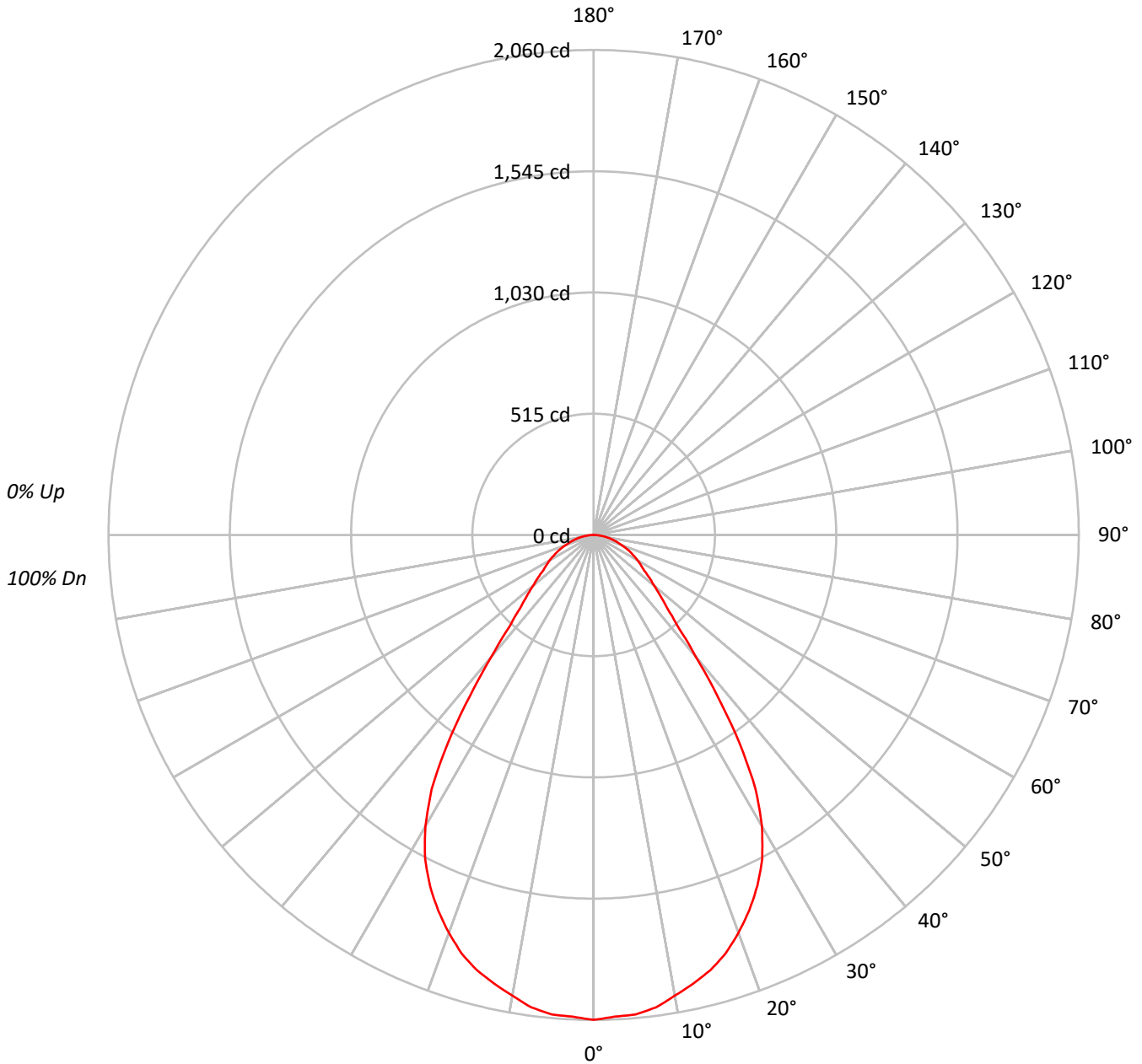
Lumens per Lamp: N/A
Luminaire Lumens: 3032.9 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P582147
CATALOG NUMBER: HCC6S30D010MB-HM63040830-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582147

CATALOG NUMBER: HCC6S30D010MB-HM63040830-61MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89																			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79																			
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70																			
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63																			
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57																			
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52																			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48																			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44																			
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40																			
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112908
5°	112491
10°	110619
15°	108661
20°	104904
25°	99478
30°	90482
35°	72297
40°	48233
45°	34383
50°	28647
55°	24974
60°	23595
65°	22207
70°	20404
75°	19063
80°	17332
85°	15159



TEST NUMBER: P582147
 CATALOG NUMBER: HCC6S30D010MB-HM63040830-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.3	6.4
10°-20°	537.6	17.7
20°-30°	751.2	24.8
30°-40°	661.8	21.8
40°-50°	357.5	11.8
50°-60°	239.0	7.9
60°-70°	169.4	5.6
70°-80°	95.2	3.1
80°-90°	27.7	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°	1482.2	48.9
0°-40°	2143.9	70.7
0°-60°	2740.5	90.4
0°-90°	3032.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3032.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2060	
5°	2044	193
15°	1915	538
25°	1645	751
35°	1080	662
45°	444	358
55°	261	239
65°	171	169
75°	90	95
85°	24	28
90°	0	



TEST NUMBER: P582147
CATALOG NUMBER: HCC6S30D010MB-HM63040830-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2059.6
2.5°	2048.6
5°	2044.2
7.5°	2024.5
10°	1987.2
12.5°	1952.0
15°	1914.6
17.5°	1864.1
20°	1798.2
22.5°	1725.8
25°	1644.6
27.5°	1550.2
30°	1429.4
32.5°	1280.1
35°	1080.3
37.5°	863.0
40°	674.0
42.5°	531.4
45°	443.5
47.5°	384.3
50°	335.9
52.5°	296.4
55°	261.3
57.5°	237.1
60°	215.2
62.5°	193.2
65°	171.2
67.5°	149.3
70°	127.3
72.5°	107.6
75°	90.0
77.5°	72.4
80°	54.9
82.5°	39.5
85°	24.1
87.5°	10.9
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)