

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: P593206

Luminaire Tested: **HCC6S30D010MW-HM63040850-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593206
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: HCC6S30D010MW-HM63040850-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

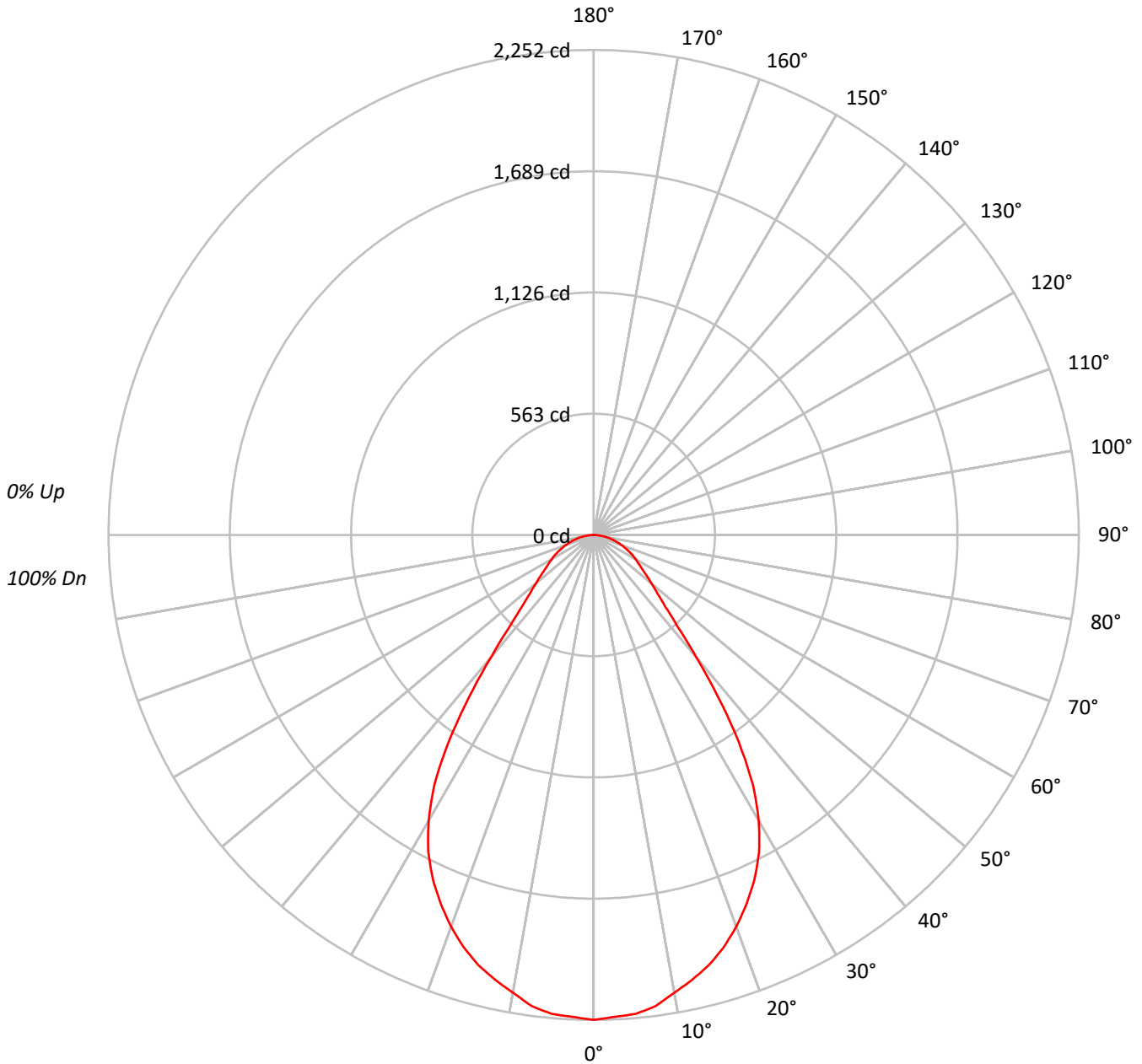
Lumens per Lamp: N/A
Luminaire Lumens: 3259.3 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P593206
CATALOG NUMBER: HCC6S30D010MW-HM63040850-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P593206
 CATALOG NUMBER: HCC6S30D010MW-HM63040850-61NDW

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	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	83	86	83	81	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123444
5°	122865
10°	120149
15°	117333
20°	112920
25°	106790
30°	97053
35°	78554
40°	52978
45°	36399
50°	29833
55°	26102
60°	24691
65°	23310
70°	21879
75°	20800
80°	18910
85°	16605



TEST NUMBER: P593206
 CATALOG NUMBER: HCC6S30D010MW-HM63040850-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.8	6.5
10°-20°	580.6	17.8
20°-30°	806.6	24.7
30°-40°	718.2	22.0
40°-50°	381.2	11.7
50°-60°	249.3	7.6
60°-70°	178.7	5.5
70°-80°	103.6	3.2
80°-90°	30.3	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°	1597.9	49.0
0°-40°	2316.1	71.1
0°-60°	2946.7	90.4
0°-90°	3259.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3259.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2252	
5°	2233	211
15°	2067	581
25°	1766	807
35°	1174	718
45°	470	381
55°	273	249
65°	180	179
75°	98	104
85°	26	30
90°	0	



TEST NUMBER: P593206
CATALOG NUMBER: HCC6S30D010MW-HM63040850-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2251.8
2.5°	2239.8
5°	2232.7
7.5°	2206.3
10°	2158.4
12.5°	2115.3
15°	2067.4
17.5°	2007.5
20°	1935.6
22.5°	1854.1
25°	1765.5
27.5°	1662.6
30°	1533.2
32.5°	1377.5
35°	1173.8
37.5°	948.7
40°	740.3
42.5°	574.9
45°	469.5
47.5°	400.1
50°	349.8
52.5°	309.0
55°	273.1
57.5°	246.7
60°	225.2
62.5°	203.7
65°	179.7
67.5°	158.1
70°	136.5
72.5°	117.4
75°	98.2
77.5°	79.1
80°	59.9
82.5°	43.2
85°	26.4
87.5°	12.0
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)