

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: P593007

Luminaire Tested: **HCC6W05D010MB-HM60525950-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593007
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: HCC6W05D010MB-HM60525950-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

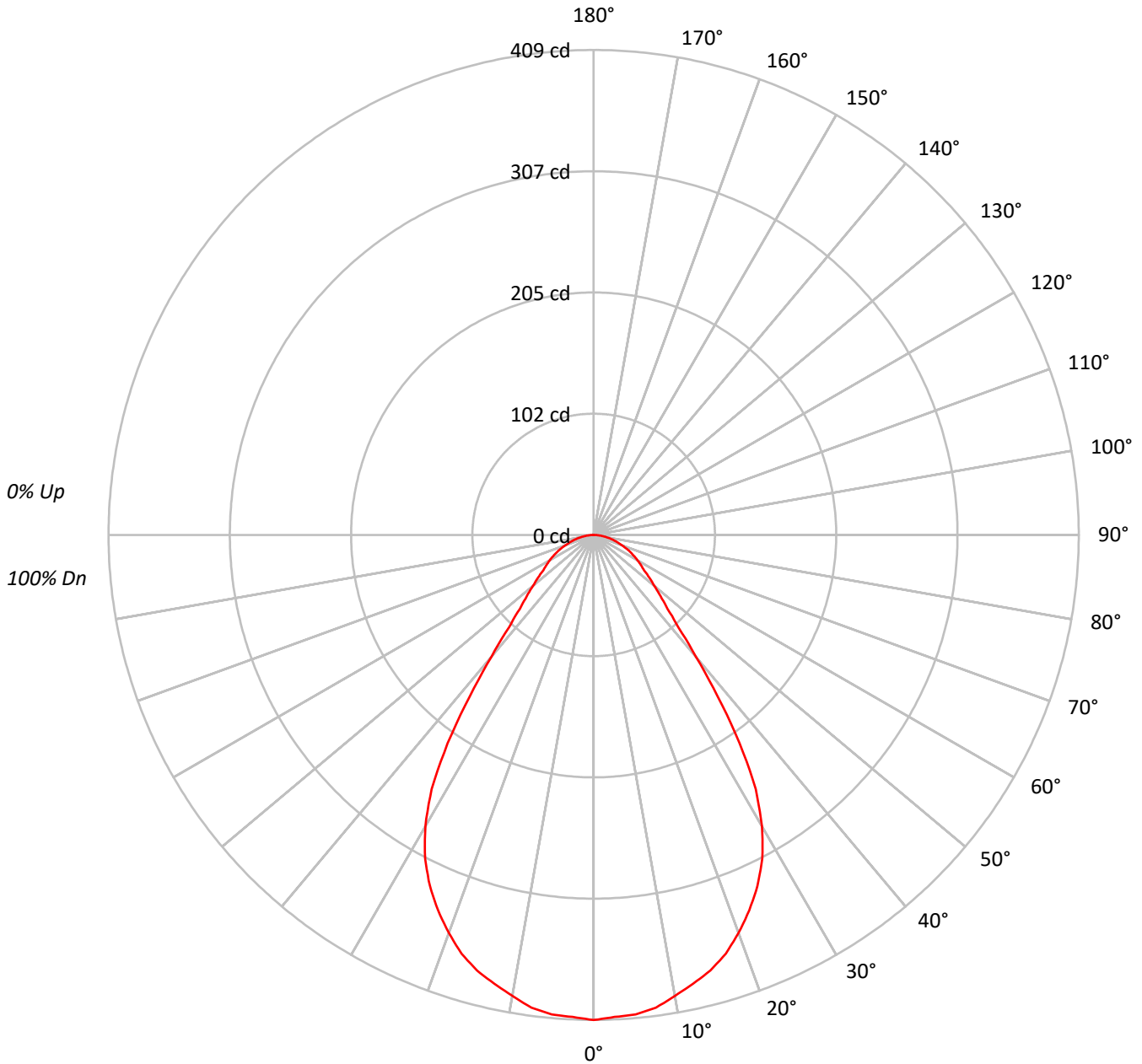
Lumens per Lamp: N/A
Luminaire Lumens: 602.3 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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: P593007
CATALOG NUMBER: HCC6W05D010MB-HM60525950-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P593007

CATALOG NUMBER: HCC6W05D010MB-HM60525950-61MDW

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	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	22427
5°	22342
10°	21971
15°	21578
20°	20838
25°	19761
30°	17971
35°	14362
40°	9582
45°	6830
50°	5689
55°	4960
60°	4682
65°	4410
70°	4055
75°	3791
80°	3410
85°	2956



TEST NUMBER: P593007
 CATALOG NUMBER: HCC6W05D010MB-HM60525950-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	6.4
10°-20°	106.8	17.7
20°-30°	149.2	24.8
30°-40°	131.4	21.8
40°-50°	71.0	11.8
50°-60°	47.5	7.9
60°-70°	33.6	5.6
70°-80°	18.9	3.1
80°-90°	5.4	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°	294.4	48.9
0°-40°	425.8	70.7
0°-60°	544.3	90.4
0°-90°	602.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	602.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	409	
5°	406	38
15°	380	107
25°	327	149
35°	215	131
45°	88	71
55°	52	47
65°	34	34
75°	18	19
85°	5	5
90°	0	



TEST NUMBER: P593007
CATALOG NUMBER: HCC6W05D010MB-HM60525950-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	409.1
2.5°	406.9
5°	406.0
7.5°	402.1
10°	394.7
12.5°	387.7
15°	380.2
17.5°	370.3
20°	357.2
22.5°	342.7
25°	326.7
27.5°	307.9
30°	283.9
32.5°	254.2
35°	214.6
37.5°	171.4
40°	133.9
42.5°	105.5
45°	88.1
47.5°	76.3
50°	66.7
52.5°	58.9
55°	51.9
57.5°	47.1
60°	42.7
62.5°	38.4
65°	34.0
67.5°	29.6
70°	25.3
72.5°	21.4
75°	17.9
77.5°	14.4
80°	10.8
82.5°	7.8
85°	4.7
87.5°	2.1
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)