

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: P593025

Luminaire Tested: **HCC6W07D010MW-HM60525850-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593025
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: HCC6W07D010MW-HM60525850-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

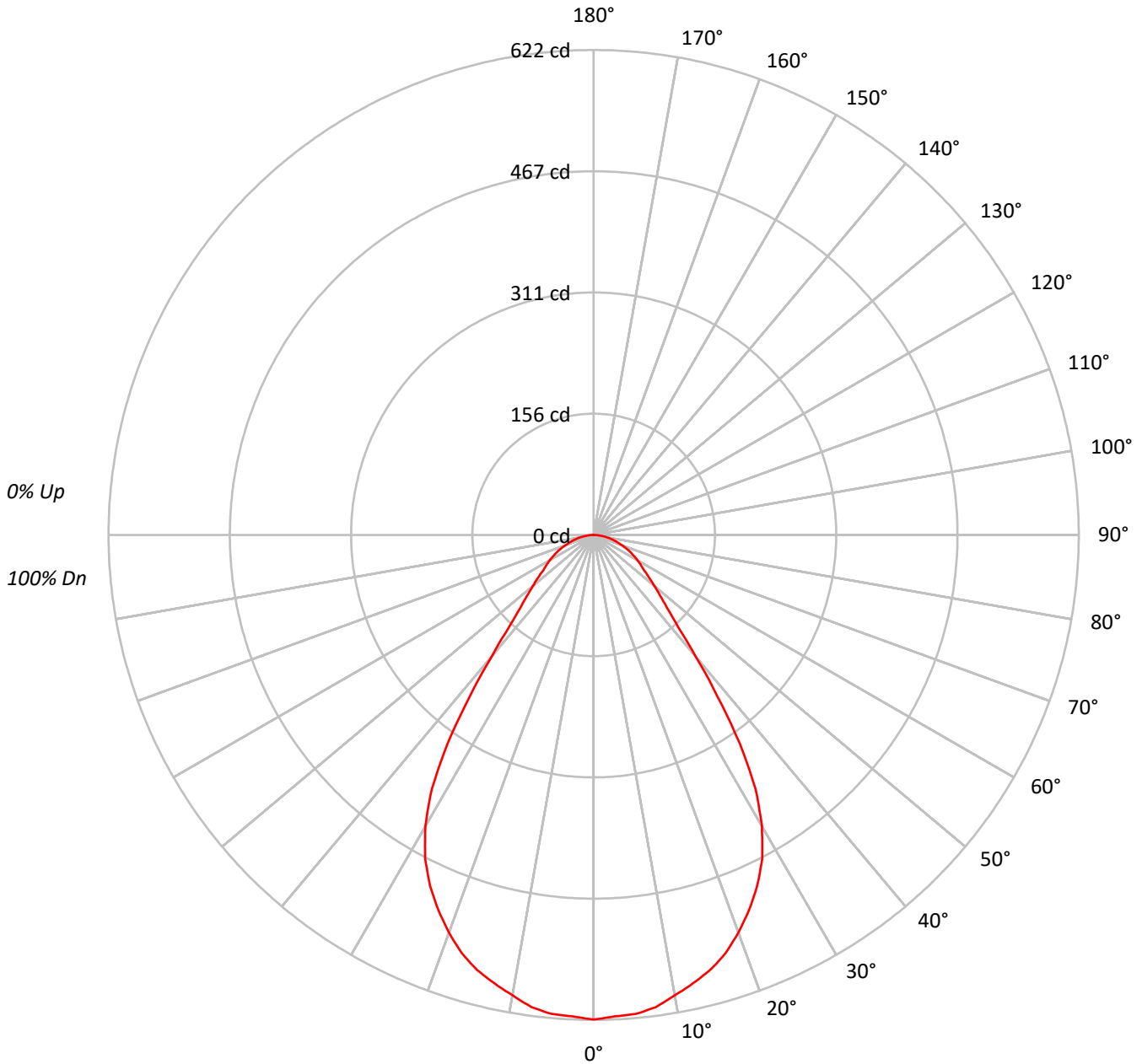
Lumens per Lamp: N/A
Luminaire Lumens: 915.2 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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: P593025
CATALOG NUMBER: HCC6W07D010MW-HM60525850-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P593025
 CATALOG NUMBER: HCC6W07D010MW-HM60525850-61MDW

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
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°	34071
5°	33942
10°	33377
15°	32787
20°	31654
25°	30020
30°	27302
35°	21817
40°	14556
45°	10373
50°	8648
55°	7541
60°	7116
65°	6706
70°	6155
75°	5761
80°	5209
85°	4592



TEST NUMBER: P593025
 CATALOG NUMBER: HCC6W07D010MW-HM60525850-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	6.4
10°-20°	162.2	17.7
20°-30°	226.7	24.8
30°-40°	199.7	21.8
40°-50°	107.9	11.8
50°-60°	72.1	7.9
60°-70°	51.1	5.6
70°-80°	28.8	3.1
80°-90°	8.4	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°	447.2	48.9
0°-40°	646.9	70.7
0°-60°	826.9	90.4
0°-90°	915.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	915.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	622	
5°	617	58
15°	578	162
25°	496	227
35°	326	200
45°	134	108
55°	79	72
65°	52	51
75°	27	29
85°	7	8
90°	0	



TEST NUMBER: P593025
CATALOG NUMBER: HCC6W07D010MW-HM60525850-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	621.5
2.5°	618.2
5°	616.8
7.5°	610.9
10°	599.6
12.5°	589.0
15°	577.7
17.5°	562.5
20°	542.6
22.5°	520.7
25°	496.3
27.5°	467.8
30°	431.3
32.5°	386.2
35°	326.0
37.5°	260.4
40°	203.4
42.5°	160.3
45°	133.8
47.5°	115.9
50°	101.4
52.5°	89.4
55°	78.9
57.5°	71.6
60°	64.9
62.5°	58.3
65°	51.7
67.5°	45.1
70°	38.4
72.5°	32.5
75°	27.2
77.5°	21.9
80°	16.5
82.5°	11.9
85°	7.3
87.5°	3.3
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)