

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: P583329

Luminaire Tested: **HCC6W07D010MW-HM60525835-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W07D010MW-HM60525835-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

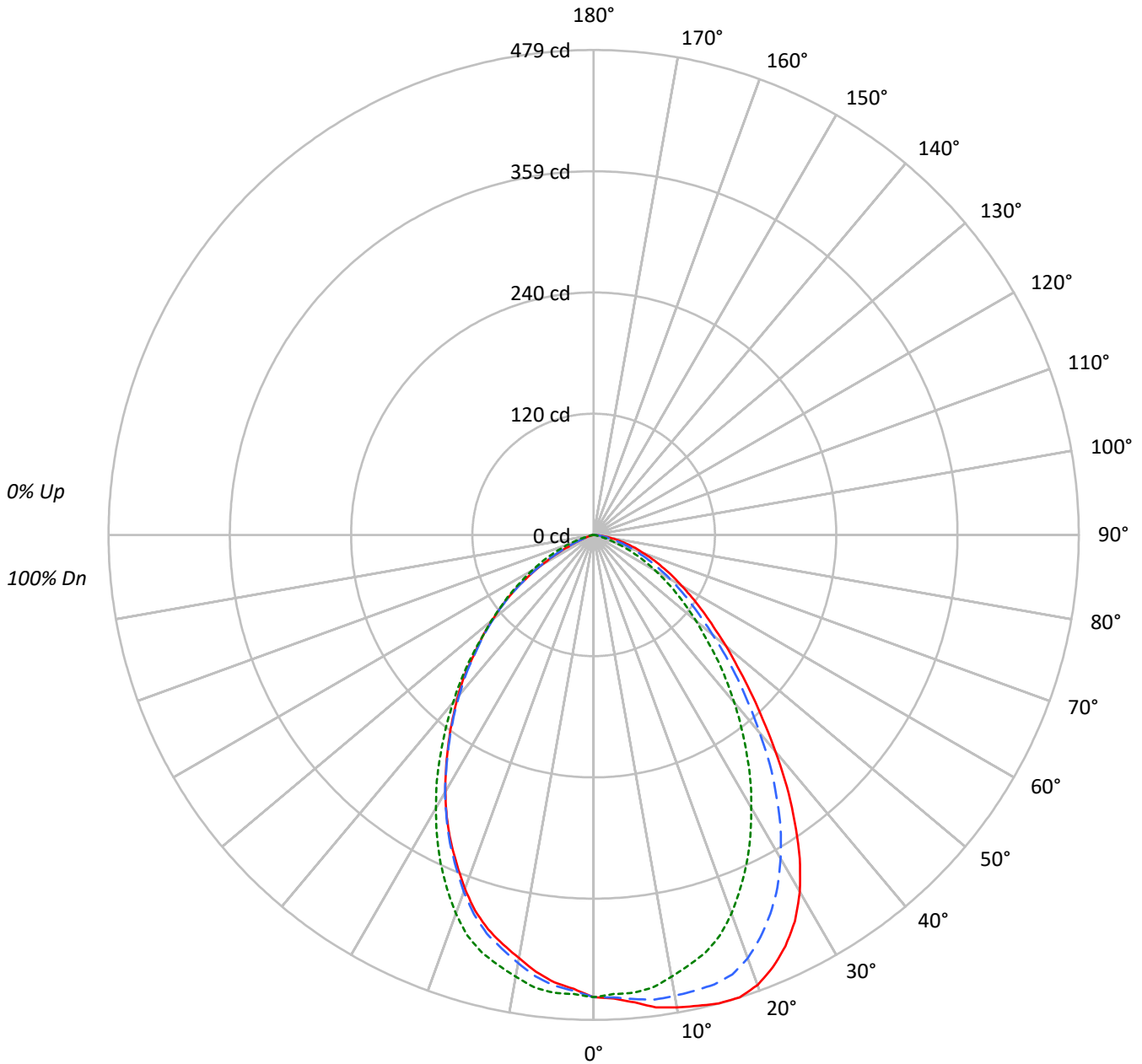
Lumens per Lamp: N/A
Luminaire Lumens: 813.5 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P583329
CATALOG NUMBER: HCC6W07D010MW-HM60525835-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P583329

CATALOG NUMBER: HCC6W07D010MW-HM60525835-61WWBB

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								
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	25025	25025	25025
5°	25506	24978	24417
10°	26374	24660	23625
15°	27179	24228	22883
20°	27600	23219	21684
25°	27104	21630	20197
30°	25770	19706	18534
35°	23155	17614	16711
40°	19987	15436	14935
45°	16924	13288	12939
50°	14516	11232	11113
55°	12587	9452	9089
60°	10986	7675	6469
65°	9651	5902	3580
70°	8335	3911	1747
75°	7074	1906	678
80°	5462	821	379
85°	3208	440	440



TEST NUMBER: P583329
 CATALOG NUMBER: HCC6W07D010MW-HM60525835-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	5.3
10°-20°	121.8	15.0
20°-30°	171.5	21.1
30°-40°	175.3	21.5
40°-50°	141.3	17.4
50°-60°	94.8	11.7
60°-70°	48.0	5.9
70°-80°	15.3	1.9
80°-90°	2.4	0.3
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°	336.4	41.4
0°-40°	511.7	62.9
0°-60°	747.8	91.9
0°-90°	813.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	813.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	456	456	456	456	456	
5°	464	460	454	447	444	45
15°	479	460	427	408	403	135
25°	448	413	358	336	334	205
35°	346	315	263	248	250	215
45°	218	201	171	166	167	170
55°	132	117	99	94	95	118
65°	74	62	46	30	28	74
75°	33	24	9	3	3	36
85°	5	3	1	1	1	7
90°	0	0	0	0	0	

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



TEST NUMBER: P583329

CATALOG NUMBER: HCC6W07D010MW-HM60525835-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5
2.5°	458.4	457.7	457.2	455.8	453.9	452.0	450.7	449.5	448.8
5°	463.5	462.3	460.3	457.7	453.9	449.5	446.9	444.2	443.7
7.5°	470.6	468.0	462.9	457.2	450.7	444.2	439.8	437.2	435.3
10°	473.8	469.3	462.3	452.6	443.0	435.3	429.5	425.7	424.4
12.5°	476.4	471.2	461.0	448.1	435.3	425.0	418.6	415.4	414.1
15°	478.9	473.8	459.7	443.0	426.9	414.8	407.7	404.5	403.2
17.5°	478.9	471.9	455.2	434.1	414.8	399.9	392.9	389.8	389.1
20°	473.1	465.4	444.9	419.9	398.0	381.4	374.9	373.0	371.7
22.5°	462.3	453.3	430.2	401.9	378.2	362.1	355.1	353.7	352.5
25°	448.1	439.2	412.9	382.6	357.6	341.6	335.8	334.5	333.9
27.5°	430.2	420.6	392.9	362.1	335.1	319.7	314.6	314.6	314.0
30°	407.1	396.1	369.1	338.3	311.3	297.3	293.4	293.4	292.8
32.5°	378.8	367.9	343.5	314.0	288.2	273.5	270.3	271.6	270.9
35°	346.0	337.1	314.6	285.7	263.2	249.7	248.5	249.7	249.7
37.5°	313.3	305.0	285.7	260.7	239.5	227.3	227.3	229.2	228.5
40°	279.3	272.8	254.9	233.1	215.7	207.3	206.1	208.0	208.7
42.5°	247.2	242.0	226.6	208.7	193.3	184.9	186.8	188.1	188.8
45°	218.3	213.1	201.0	182.3	171.4	165.6	165.6	167.6	166.9
47.5°	192.6	188.8	176.5	158.6	149.0	146.4	147.6	149.0	149.0
50°	170.2	164.4	152.8	138.7	131.7	128.4	129.7	130.3	130.3
52.5°	149.0	145.1	133.6	120.7	114.3	112.4	112.4	113.0	113.0
55°	131.7	127.1	116.8	104.0	98.9	96.3	94.4	93.7	95.1
57.5°	114.9	111.0	101.4	89.3	83.5	80.9	77.0	75.8	77.0
60°	100.2	97.0	87.4	75.8	70.0	64.8	60.4	57.8	59.0
62.5°	87.4	83.5	73.9	64.2	57.8	52.0	45.0	41.1	43.1
65°	74.4	71.3	61.6	52.0	45.5	38.5	30.1	27.6	27.6
67.5°	62.9	59.7	50.8	42.4	34.7	26.3	18.6	18.0	18.6
70°	52.0	48.8	41.1	32.7	24.4	16.1	10.9	10.9	10.9
72.5°	43.1	39.2	32.1	23.8	15.4	8.4	5.8	6.5	6.5
75°	33.4	30.1	23.8	16.1	9.0	3.9	3.2	3.2	3.2
77.5°	25.0	22.4	16.7	10.3	4.5	1.2	1.2	1.2	1.2
80°	17.3	14.7	10.9	6.5	2.6	1.2	1.2	1.2	1.2
82.5°	10.3	9.0	6.5	3.2	1.2	0.7	0.7	0.7	0.7
85°	5.1	4.5	2.6	1.2	0.7	0.7	0.7	0.7	0.7
87.5°	1.2	1.2	0.7	0.7	0.0	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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° - - 45°-225° - - - - 90°-270°

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)