

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: P583311

Luminaire Tested: **HCC6W07D010MB-HM60525830-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583311
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: HCC6W07D010MB-HM60525830-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

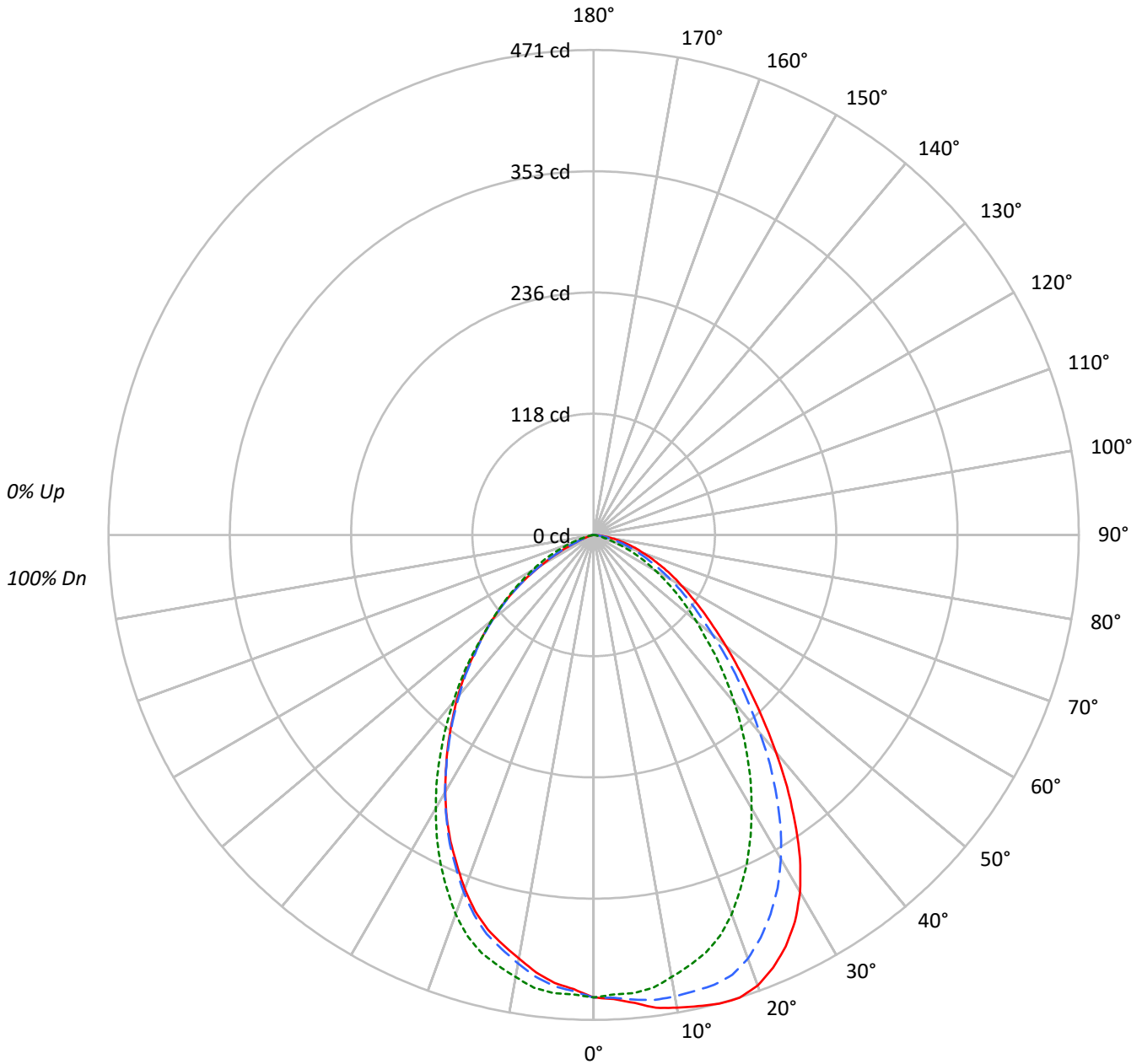
Lumens per Lamp: N/A
Luminaire Lumens: 800.6 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P583311
CATALOG NUMBER: HCC6W07D010MB-HM60525830-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P583311

CATALOG NUMBER: HCC6W07D010MB-HM60525830-61WWBB

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	24625	24625	24625
5°	25110	24582	24031
10°	25957	24270	23252
15°	26754	23848	22520
20°	27168	22857	21340
25°	26681	21286	19876
30°	25358	19402	18237
35°	22794	17340	16456
40°	19673	15193	14699
45°	16653	13079	12738
50°	14285	11044	10942
55°	12377	9300	8936
60°	10811	7554	6370
65°	9508	5824	3528
70°	8207	3847	1731
75°	6969	1864	678
80°	5398	789	379
85°	3208	440	440



TEST NUMBER: P583311

CATALOG NUMBER: HCC6W07D010MB-HM60525830-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	5.3
10°-20°	119.9	15.0
20°-30°	168.8	21.1
30°-40°	172.5	21.5
40°-50°	139.1	17.4
50°-60°	93.3	11.7
60°-70°	47.2	5.9
70°-80°	15.1	1.9
80°-90°	2.3	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°	331.1	41.4
0°-40°	503.6	62.9
0°-60°	736.0	91.9
0°-90°	800.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	449	449	449	449	449	
5°	456	453	447	440	437	44
15°	471	452	420	401	397	133
25°	441	406	352	330	329	202
35°	341	310	259	244	246	212
45°	215	198	169	163	164	167
55°	130	115	97	93	94	117
65°	73	61	45	30	27	73
75°	33	23	9	3	3	35
85°	5	2	1	1	1	7
90°	0	0	0	0	0	



TEST NUMBER: P583311

CATALOG NUMBER: HCC6W07D010MB-HM60525830-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	449.2	449.2	449.2	449.2	449.2	449.2	449.2	449.2	449.2
2.5°	451.2	450.6	449.9	448.7	446.7	444.8	443.6	442.3	441.6
5°	456.3	455.0	453.1	450.6	446.7	442.3	439.8	437.2	436.7
7.5°	463.2	460.7	455.6	449.9	443.6	437.2	432.8	430.3	428.4
10°	466.3	461.9	455.0	445.5	436.0	428.4	422.7	419.0	417.7
12.5°	468.8	463.9	453.7	441.1	428.4	418.3	412.0	408.8	407.5
15°	471.4	466.3	452.4	436.0	420.2	408.2	401.3	398.1	396.8
17.5°	471.4	464.4	448.0	427.1	408.2	393.7	386.7	383.5	383.0
20°	465.7	458.1	437.9	413.2	391.8	375.4	369.0	367.1	365.8
22.5°	455.0	446.1	423.4	395.5	372.2	356.4	349.4	348.2	346.9
25°	441.1	432.2	406.3	376.6	351.9	336.2	330.5	329.2	328.6
27.5°	423.4	413.9	386.7	356.4	329.8	314.6	309.6	309.6	309.0
30°	400.6	389.9	363.4	333.0	306.5	292.5	288.8	288.8	288.1
32.5°	372.9	362.1	338.1	309.0	283.7	269.2	266.0	267.3	266.7
35°	340.6	331.7	309.6	281.2	259.1	245.9	244.5	245.9	245.9
37.5°	308.4	300.1	281.2	256.5	235.7	223.7	223.7	225.6	224.9
40°	274.9	268.5	250.8	229.4	212.3	204.1	202.8	204.7	205.4
42.5°	243.3	238.3	223.1	205.4	190.2	182.0	183.9	185.1	185.8
45°	214.8	209.8	197.8	179.5	168.7	163.0	163.0	165.0	164.3
47.5°	189.6	185.8	173.8	156.1	146.6	144.1	145.4	146.6	146.6
50°	167.5	161.8	150.3	136.5	129.5	126.3	127.7	128.3	128.3
52.5°	146.6	142.8	131.4	118.9	112.5	110.6	110.6	111.3	111.3
55°	129.5	125.1	115.0	102.4	97.3	94.8	92.9	92.2	93.5
57.5°	113.1	109.3	99.8	87.8	82.1	79.6	75.8	74.6	75.8
60°	98.6	95.4	85.9	74.6	68.9	63.8	59.4	56.9	58.1
62.5°	85.9	82.1	72.6	63.2	56.9	51.2	44.2	40.4	42.4
65°	73.3	70.1	60.6	51.2	44.9	38.0	29.7	27.2	27.2
67.5°	62.0	58.8	50.0	41.7	34.1	25.9	18.4	17.7	18.4
70°	51.2	48.0	40.4	32.2	24.0	15.7	10.8	10.8	10.8
72.5°	42.4	38.5	31.6	23.3	15.2	8.3	5.7	6.3	6.3
75°	32.9	29.7	23.3	15.7	8.8	3.7	3.2	3.2	3.2
77.5°	24.7	22.1	16.4	10.1	4.4	1.2	1.2	1.2	1.2
80°	17.1	14.5	10.8	6.3	2.5	1.2	1.2	1.2	1.2
82.5°	10.1	8.8	6.3	3.2	1.2	0.7	0.7	0.7	0.7
85°	5.1	4.4	2.5	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)