

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: P593013

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593013
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: HCC6W05D010MB-HM60525950-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

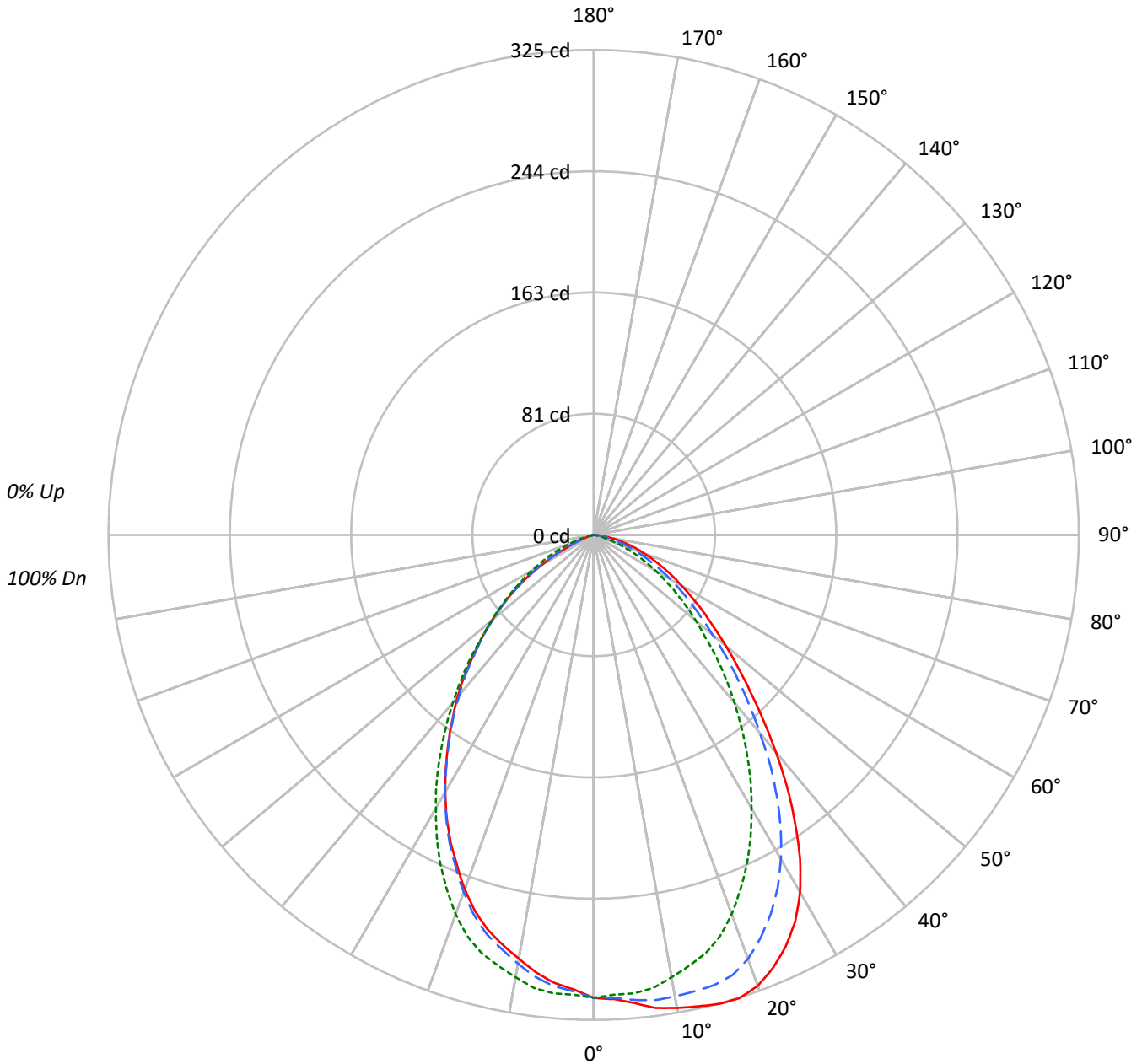
Lumens per Lamp: N/A
Luminaire Lumens: 552.7 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P593013
CATALOG NUMBER: HCC6W05D010MB-HM60525950-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P593013

CATALOG NUMBER: HCC6W05D010MB-HM60525950-61WWBB

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°	17005	17005	17005
5°	17329	16971	16586
10°	17919	16755	16054
15°	18468	16464	15545
20°	18756	15775	14736
25°	18412	14698	13719
30°	17503	13388	12591
35°	15740	11973	11357
40°	13575	10491	10148
45°	11497	9032	8799
50°	9859	7624	7556
55°	8544	6413	6165
60°	7456	5219	4397
65°	6564	4021	2439
70°	5674	2661	1202
75°	4808	1292	445
80°	3725	537	284
85°	2201	314	314



TEST NUMBER: P593013
 CATALOG NUMBER: HCC6W05D010MB-HM60525950-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	5.3
10°-20°	82.8	15.0
20°-30°	116.5	21.1
30°-40°	119.1	21.5
40°-50°	96.0	17.4
50°-60°	64.4	11.6
60°-70°	32.6	5.9
70°-80°	10.4	1.9
80°-90°	1.6	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°	228.6	41.4
0°-40°	347.7	62.9
0°-60°	508.1	91.9
0°-90°	552.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	552.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	310	310	310	310	310	
5°	315	313	308	304	301	30
15°	325	312	290	277	274	92
25°	304	280	243	228	227	139
35°	235	214	179	169	170	146
45°	148	136	116	112	114	115
55°	89	79	67	64	64	80
65°	51	42	31	20	19	50
75°	23	16	6	2	2	24
85°	4	2	0	0	0	5
90°	0	0	0	0	0	



TEST NUMBER: P593013

CATALOG NUMBER: HCC6W05D010MB-HM60525950-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2
2.5°	311.4	311.0	310.5	309.7	308.4	307.1	306.2	305.3	304.9
5°	314.9	314.0	312.8	311.0	308.4	305.3	303.6	301.8	301.4
7.5°	319.8	318.0	314.5	310.5	306.2	301.8	298.8	297.1	295.7
10°	321.9	318.9	314.0	307.5	301.0	295.7	291.8	289.2	288.4
12.5°	323.6	320.1	313.2	304.4	295.7	288.7	284.4	282.3	281.4
15°	325.4	321.9	312.3	301.0	290.1	281.8	277.0	274.8	273.9
17.5°	325.4	320.6	309.3	294.8	281.8	271.8	266.9	264.8	264.3
20°	321.5	316.3	302.3	285.3	270.4	259.1	254.7	253.5	252.6
22.5°	314.0	307.9	292.2	273.0	257.0	246.0	241.3	240.4	239.4
25°	304.4	298.3	280.5	260.0	243.0	232.1	228.1	227.2	226.8
27.5°	292.2	285.7	266.9	246.0	227.7	217.2	213.8	213.8	213.3
30°	276.5	269.2	250.9	229.8	211.5	201.9	199.3	199.3	198.9
32.5°	257.4	250.0	233.3	213.3	195.8	185.8	183.6	184.5	184.1
35°	235.2	229.1	213.8	194.1	178.9	169.7	168.8	169.7	169.7
37.5°	212.9	207.2	194.1	177.1	162.7	154.5	154.5	155.7	155.3
40°	189.7	185.4	173.2	158.3	146.6	140.9	140.0	141.4	141.8
42.5°	167.9	164.4	154.0	141.8	131.3	125.7	126.9	127.8	128.3
45°	148.3	144.9	136.5	123.8	116.5	112.5	112.5	113.9	113.5
47.5°	130.9	128.3	120.0	107.7	101.2	99.4	100.3	101.2	101.2
50°	115.6	111.6	103.8	94.2	89.4	87.2	88.1	88.6	88.6
52.5°	101.2	98.5	90.7	82.0	77.6	76.4	76.4	76.7	76.7
55°	89.4	86.3	79.4	70.6	67.1	65.4	64.1	63.7	64.5
57.5°	78.1	75.5	68.9	60.7	56.7	54.9	52.3	51.5	52.3
60°	68.0	65.9	59.3	51.5	47.6	44.1	41.0	39.2	40.1
62.5°	59.3	56.7	50.2	43.6	39.2	35.4	30.5	27.9	29.3
65°	50.6	48.4	41.9	35.4	31.0	26.2	20.5	18.8	18.8
67.5°	42.7	40.6	34.5	28.8	23.5	17.9	12.7	12.2	12.7
70°	35.4	33.1	27.9	22.3	16.6	11.0	7.5	7.5	7.5
72.5°	29.3	26.6	21.8	16.2	10.5	5.6	4.0	4.4	4.4
75°	22.7	20.5	16.2	11.0	6.1	2.6	2.1	2.1	2.1
77.5°	17.1	15.3	11.3	7.0	3.1	0.9	0.9	0.9	0.9
80°	11.8	10.1	7.5	4.4	1.7	0.9	0.9	0.9	0.9
82.5°	7.0	6.1	4.4	2.1	0.9	0.5	0.5	0.5	0.5
85°	3.5	3.1	1.7	0.9	0.5	0.5	0.5	0.5	0.5
87.5°	0.9	0.9	0.5	0.5	0.0	0.5	0.5	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)