

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: P582970

Luminaire Tested: **HCC6W05D010BZ-HM60525935-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W05D010BZ-HM60525935-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

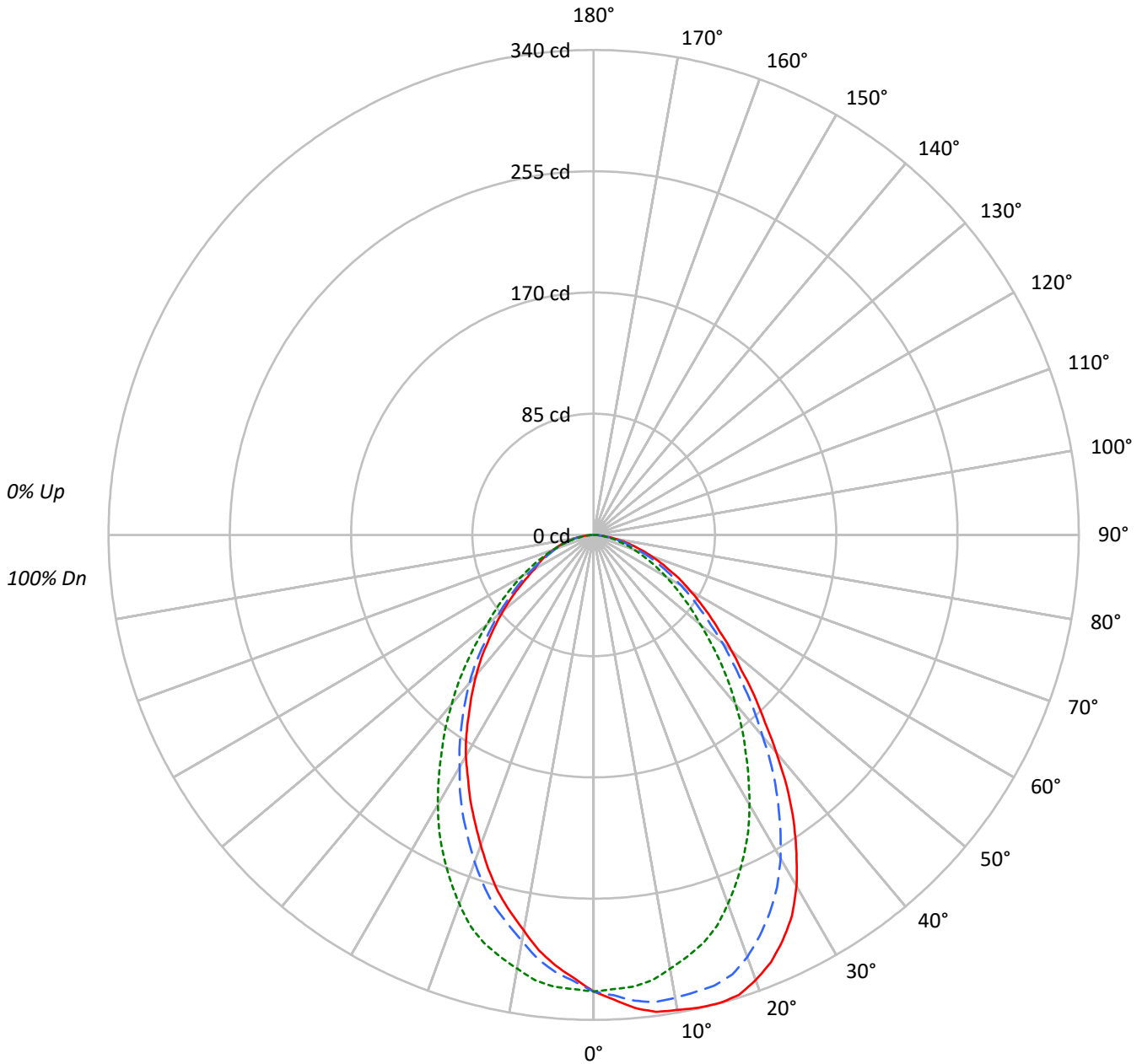
Lumens per Lamp: N/A
Luminaire Lumens: 596.2 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582970
CATALOG NUMBER: HCC6W05D010BZ-HM60525935-61WWW

Luminous Intensity Polar Plot





TEST NUMBER: P582970

CATALOG NUMBER: HCC6W05D010BZ-HM60525935-61WWW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	17548	17548	17548
5°	18325	17499	16690
10°	18826	17190	15681
15°	19291	16822	14694
20°	19374	16061	13494
25°	18969	15037	12376
30°	17996	13825	11344
35°	16349	12428	10179
40°	14241	11071	9153
45°	12327	9691	8047
50°	10763	8332	7053
55°	9519	7331	6050
60°	8552	6414	5241
65°	7653	5591	5085
70°	6828	4760	4760
75°	5931	4024	4469
80°	4735	3378	4072
85°	3271	2956	3522



TEST NUMBER: P582970
 CATALOG NUMBER: HCC6W05D010BZ-HM60525935-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	5.0
10°-20°	83.6	14.0
20°-30°	116.5	19.5
30°-40°	120.1	20.1
40°-50°	99.5	16.7
50°-60°	71.5	12.0
60°-70°	45.5	7.6
70°-80°	23.4	3.9
80°-90°	5.9	1.0
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°	230.3	38.6
0°-40°	350.3	58.8
0°-60°	521.4	87.4
0°-90°	596.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	320	320	320	320	320	
5°	333	328	318	308	303	32
15°	340	327	296	269	259	96
25°	314	292	249	217	205	144
35°	244	224	186	161	152	152
45°	159	148	125	109	104	123
55°	100	91	77	68	63	90
65°	59	52	43	38	39	59
75°	28	24	19	20	21	30
85°	5	5	5	5	6	7
90°	0	0	0	0	0	

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



TEST NUMBER: P582970

CATALOG NUMBER: HCC6W05D010BZ-HM60525935-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	320.1	320.1	320.1	320.1	320.1	320.1	320.1	320.1	320.1
2.5°	326.1	324.9	323.1	321.4	318.8	315.7	313.2	312.3	311.1
5°	333.0	331.3	327.8	323.5	318.0	312.3	307.6	304.5	303.3
7.5°	337.3	335.2	330.4	323.1	314.9	306.7	299.8	295.5	293.8
10°	338.2	336.1	329.5	319.7	308.8	297.6	289.1	283.9	281.7
12.5°	339.5	336.4	328.3	316.6	302.8	290.0	279.1	272.7	270.5
15°	339.9	336.4	327.0	312.8	296.4	280.9	269.3	261.5	258.9
17.5°	338.2	334.3	323.1	305.9	287.4	271.0	257.2	249.1	245.5
20°	332.1	327.8	314.9	295.5	275.3	258.1	243.9	235.3	231.3
22.5°	324.4	318.8	304.2	283.5	262.4	244.3	230.1	221.5	217.5
25°	313.6	308.5	292.1	270.1	248.6	229.6	216.7	207.7	204.6
27.5°	301.1	295.2	278.3	256.3	234.4	215.4	202.9	194.7	190.9
30°	284.3	278.8	261.9	240.0	218.4	200.8	187.8	180.9	179.2
32.5°	264.5	259.8	243.4	222.7	202.0	185.7	174.9	167.6	165.9
35°	244.3	238.7	224.4	205.1	185.7	171.1	161.1	154.7	152.1
37.5°	222.3	217.1	205.1	187.8	170.6	156.8	148.1	142.6	140.0
40°	199.0	195.2	184.0	170.2	154.7	142.6	135.3	130.5	127.9
42.5°	177.5	173.6	165.9	152.9	140.0	129.3	122.8	118.4	116.3
45°	159.0	155.5	147.8	136.6	125.0	115.9	109.0	106.0	103.8
47.5°	140.5	138.8	131.9	121.5	110.7	102.9	98.2	94.8	93.0
50°	126.2	124.1	117.6	106.8	97.7	91.8	87.5	84.4	82.7
52.5°	111.5	109.4	103.4	94.4	87.0	81.5	77.1	74.6	72.8
55°	99.6	97.7	91.3	83.2	76.7	72.0	68.0	65.1	63.3
57.5°	88.4	86.6	80.6	72.8	67.2	62.9	59.4	56.8	54.7
60°	78.0	76.7	70.6	63.3	58.5	54.2	51.3	49.2	47.8
62.5°	68.9	66.3	61.1	54.7	50.4	47.0	44.0	42.6	43.5
65°	59.0	57.7	52.5	47.0	43.1	39.7	37.5	38.3	39.2
67.5°	50.8	49.2	44.7	39.7	36.2	33.6	32.3	34.0	34.5
70°	42.6	40.9	37.1	32.8	29.7	28.0	28.0	29.3	29.7
72.5°	34.9	33.6	30.2	26.7	24.5	23.3	24.1	25.0	25.4
75°	28.0	26.7	24.1	21.1	19.0	19.0	19.8	20.7	21.1
77.5°	21.6	20.7	18.1	15.9	15.0	15.0	15.9	16.4	16.8
80°	15.0	14.2	12.9	11.6	10.7	11.6	12.5	12.5	12.9
82.5°	9.9	9.5	8.6	7.8	7.8	8.1	8.6	9.0	9.0
85°	5.2	5.2	4.7	4.3	4.7	5.2	5.2	5.6	5.6
87.5°	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1
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)