

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: P582855

Luminaire Tested: **HCC6W05D010BZ-HM60525827-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W05D010BZ-HM60525827-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

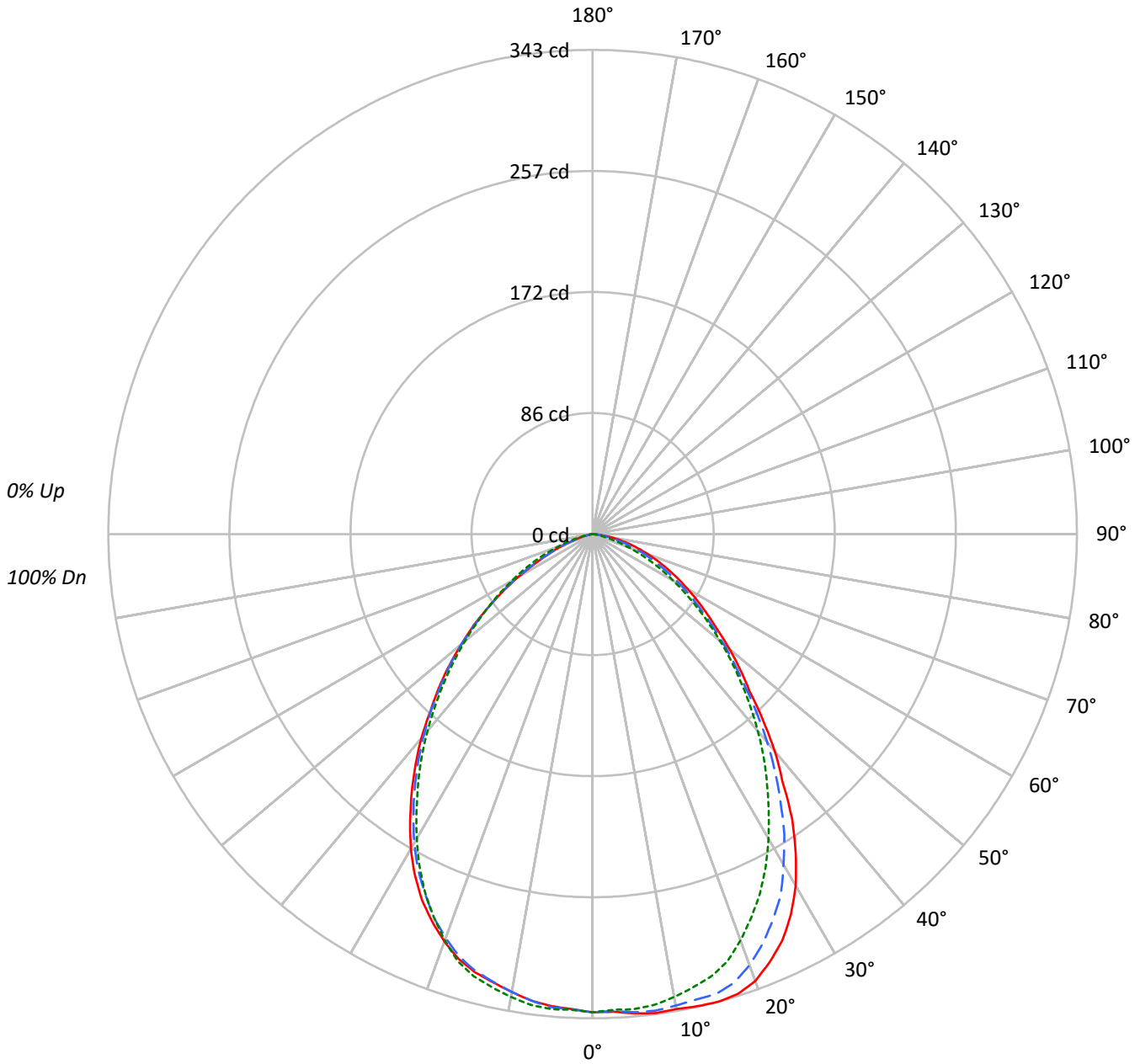
Lumens per Lamp: N/A
Luminaire Lumens: 663.6 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): 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: P582855
CATALOG NUMBER: HCC6W05D010BZ-HM60525827-61RWWH

Luminous Intensity Polar Plot





TEST NUMBER: P582855

CATALOG NUMBER: HCC6W05D010BZ-HM60525827-61RWWH

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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88					88			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77					77			
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67					67			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59					59			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53					53			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42					42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38					38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35					35			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18568	18568	18568
5°	18760	18589	18468
10°	19021	18531	18336
15°	19472	18411	18241
20°	19654	17863	17916
25°	19223	16967	17293
30°	18205	15768	16294
35°	16483	14409	14944
40°	14355	13017	13497
45°	12180	11528	11939
50°	10780	10072	10328
55°	9500	8611	8564
60°	8508	7247	6666
65°	7588	5824	4774
70°	6684	4199	2981
75°	5655	2542	1694
80°	4357	1105	726
85°	2516	314	314



TEST NUMBER: P582855
 CATALOG NUMBER: HCC6W05D010BZ-HM60525827-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	4.8
10°-20°	92.4	13.9
20°-30°	133.6	20.1
30°-40°	140.5	21.2
40°-50°	118.1	17.8
50°-60°	82.9	12.5
60°-70°	45.6	6.9
70°-80°	16.2	2.4
80°-90°	2.2	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°	258.1	38.9
0°-40°	398.6	60.1
0°-60°	599.7	90.4
0°-90°	663.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	339	339	339	339	339	
5°	341	340	338	336	336	33
15°	343	337	324	320	321	97
25°	318	302	280	281	286	145
35°	246	232	215	220	223	153
45°	157	153	149	152	154	123
55°	99	94	90	90	90	89
65°	58	52	45	37	37	58
75°	27	21	12	8	8	29
85°	4	2	0	0	0	6
90°	0	0	0	0	0	



TEST NUMBER: P582855

CATALOG NUMBER: HCC6W05D010BZ-HM60525827-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	338.7	338.7	338.7	338.7	338.7	338.7	338.7	338.7	338.7
2.5°	338.7	338.7	338.2	338.2	337.3	337.3	336.9	336.9	336.9
5°	340.9	340.9	340.0	338.7	337.8	336.4	336.4	335.9	335.6
7.5°	342.2	341.7	340.5	338.7	336.4	334.3	333.3	333.8	333.3
10°	341.7	340.9	339.1	335.6	332.9	329.7	329.4	328.9	329.4
12.5°	342.6	341.4	337.8	333.3	328.9	325.3	324.9	324.9	325.3
15°	343.1	341.7	337.3	330.6	324.4	320.9	320.5	320.9	321.4
17.5°	341.7	340.0	333.3	324.4	317.3	313.8	313.8	314.7	315.6
20°	336.9	334.3	324.9	314.3	306.2	303.6	304.5	306.2	307.1
22.5°	328.0	324.9	314.3	302.3	293.8	291.7	293.8	296.1	297.0
25°	317.8	314.3	301.8	289.4	280.5	277.9	280.9	284.5	285.9
27.5°	304.1	300.0	288.5	274.3	265.4	264.1	267.7	271.7	272.6
30°	287.6	283.2	270.3	257.0	249.1	248.6	252.6	256.1	257.4
32.5°	267.7	263.6	252.6	239.2	232.1	232.1	236.2	239.2	240.6
35°	246.3	241.9	232.1	221.0	215.3	215.7	219.7	221.9	223.3
37.5°	221.0	219.7	212.2	202.8	198.9	199.8	202.8	204.6	206.0
40°	200.6	197.1	192.2	184.6	181.9	182.8	186.0	187.8	188.6
42.5°	178.4	176.2	172.2	166.9	165.1	166.4	169.2	170.4	170.0
45°	157.1	156.7	152.7	149.6	148.7	150.5	152.2	153.6	154.0
47.5°	141.6	139.8	136.3	134.0	133.1	134.9	136.7	137.6	137.6
50°	126.4	124.8	121.1	119.0	118.1	119.9	121.1	122.0	121.1
52.5°	111.4	109.6	106.6	103.8	103.4	104.3	104.8	105.2	106.1
55°	99.4	97.6	94.1	91.0	90.1	90.5	90.1	90.1	89.6
57.5°	87.9	86.1	82.6	79.0	77.6	77.2	75.9	75.5	75.0
60°	77.6	75.5	71.9	67.9	66.1	64.4	62.1	60.8	60.8
62.5°	67.9	65.7	61.7	58.2	55.5	52.3	48.8	47.0	47.0
65°	58.5	56.8	52.3	48.4	44.9	40.8	36.8	35.9	36.8
67.5°	49.7	47.9	43.5	39.6	35.0	30.2	26.7	26.7	27.6
70°	41.7	40.0	35.9	31.1	26.2	21.4	18.6	18.6	18.6
72.5°	34.1	32.4	27.9	23.5	18.6	13.8	12.4	12.9	12.4
75°	26.7	25.3	21.4	16.4	12.0	8.5	8.0	7.6	8.0
77.5°	20.0	18.6	15.1	10.6	6.7	4.9	4.4	4.4	4.4
80°	13.8	12.4	9.7	6.2	3.5	2.3	2.3	2.3	2.3
82.5°	8.5	7.1	5.3	3.1	1.4	1.4	1.4	1.4	1.4
85°	4.0	3.1	2.3	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)