

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: P581655

Luminaire Tested: **HCC6S10D010BZ-HM60525930-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581655
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: HCC6S10D010BZ-HM60525930-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

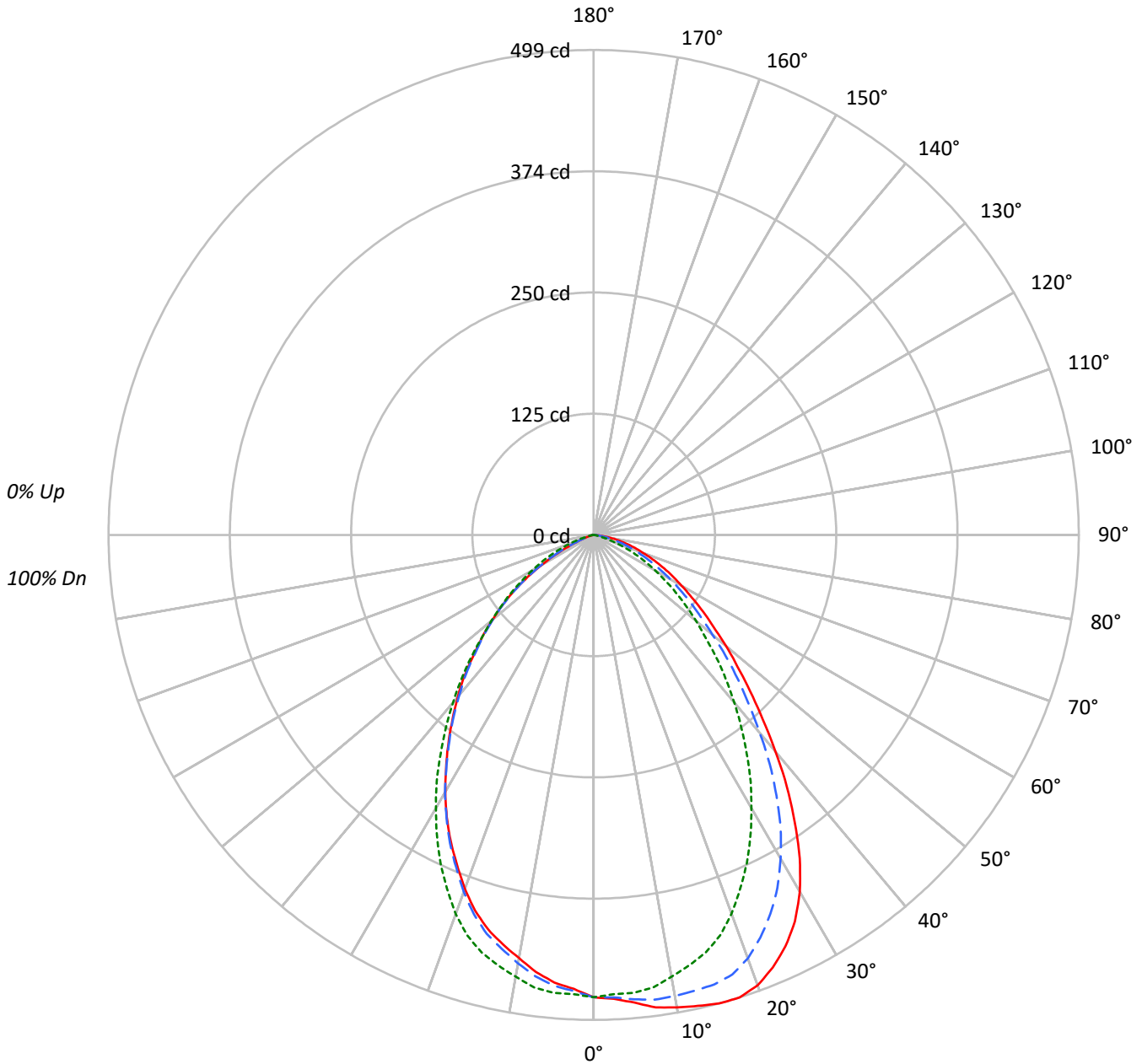
Lumens per Lamp: N/A
Luminaire Lumens: 847.7 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P581655
CATALOG NUMBER: HCC6S10D010BZ-HM60525930-61WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P581655

CATALOG NUMBER: HCC6S10D010BZ-HM60525930-61WWBB

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	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°	26078	26078	26078
5°	26579	26023	25440
10°	27482	25695	24615
15°	28326	25250	23842
20°	28767	24199	22600
25°	28242	22544	21044
30°	26852	20535	19313
35°	24126	18357	17413
40°	20825	16087	15565
45°	17630	13846	13490
50°	15121	11701	11582
55°	13113	9844	9462
60°	11446	7993	6754
65°	10079	6161	3736
70°	8687	4087	1811
75°	7371	1991	720
80°	5714	852	442
85°	3334	440	440



TEST NUMBER: P581655
 CATALOG NUMBER: HCC6S10D010BZ-HM60525930-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	5.3
10°-20°	126.9	15.0
20°-30°	178.7	21.1
30°-40°	182.6	21.5
40°-50°	147.3	17.4
50°-60°	98.8	11.7
60°-70°	50.0	5.9
70°-80°	16.0	1.9
80°-90°	2.5	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°	350.6	41.4
0°-40°	533.2	62.9
0°-60°	779.2	91.9
0°-90°	847.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	847.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	476	476	476	476	476	
5°	483	480	473	466	462	47
15°	499	479	445	425	420	141
25°	467	430	373	350	348	214
35°	360	328	274	259	260	224
45°	227	209	179	173	174	177
55°	137	122	103	98	99	123
65°	78	64	48	32	29	77
75°	35	25	9	3	3	37
85°	5	3	1	1	1	7
90°	0	0	0	0	0	



TEST NUMBER: P581655

CATALOG NUMBER: HCC6S10D010BZ-HM60525930-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7
2.5°	477.7	477.0	476.3	475.0	472.9	470.9	469.7	468.3	467.6
5°	483.0	481.7	479.6	477.0	472.9	468.3	465.6	463.0	462.3
7.5°	490.4	487.7	482.3	476.3	469.7	463.0	458.2	455.6	453.6
10°	493.7	489.0	481.7	471.6	461.6	453.6	447.6	443.5	442.2
12.5°	496.4	491.1	480.3	466.9	453.6	442.8	436.2	432.9	431.5
15°	499.1	493.7	478.9	461.6	444.9	432.2	424.8	421.4	420.1
17.5°	499.1	491.7	474.3	452.2	432.2	416.8	409.4	406.0	405.4
20°	493.1	485.1	463.6	437.5	414.8	397.3	390.7	388.7	387.4
22.5°	481.7	472.3	448.3	418.8	394.0	377.3	369.9	368.6	367.2
25°	466.9	457.6	430.2	398.7	372.7	355.9	349.9	348.5	347.9
27.5°	448.3	438.2	409.4	377.3	349.2	333.1	327.8	327.8	327.1
30°	424.2	412.7	384.7	352.5	324.4	309.7	305.8	305.8	305.1
32.5°	394.7	383.3	357.9	327.1	300.3	285.0	281.6	283.0	282.3
35°	360.5	351.3	327.8	297.7	274.3	260.2	258.9	260.2	260.2
37.5°	326.5	317.8	297.7	271.6	249.5	236.8	236.8	238.9	238.2
40°	291.0	284.4	265.6	242.8	224.8	216.1	214.7	216.8	217.5
42.5°	257.5	252.2	236.1	217.5	201.4	192.7	194.7	196.1	196.6
45°	227.4	222.1	209.4	189.9	178.6	172.6	172.6	174.6	174.0
47.5°	200.7	196.6	184.0	165.3	155.2	152.5	153.8	155.2	155.2
50°	177.3	171.3	159.3	144.6	137.2	133.8	135.2	135.8	135.8
52.5°	155.2	151.2	139.1	125.8	119.1	117.0	117.0	117.7	117.7
55°	137.2	132.4	121.8	108.3	103.0	100.3	98.4	97.7	99.0
57.5°	119.8	115.7	105.7	92.9	86.9	84.3	80.3	78.9	80.3
60°	104.4	101.0	91.0	78.9	72.9	67.6	62.9	60.2	61.6
62.5°	91.0	86.9	77.0	66.9	60.2	54.2	46.9	42.8	44.8
65°	77.7	74.3	64.2	54.2	47.5	40.2	31.5	28.8	28.8
67.5°	65.5	62.3	52.9	44.1	36.1	27.4	19.4	18.7	19.4
70°	54.2	50.8	42.8	34.1	25.5	16.8	11.3	11.3	11.3
72.5°	44.8	40.8	33.4	24.8	16.1	8.7	6.0	6.7	6.7
75°	34.8	31.5	24.8	16.8	9.4	4.0	3.4	3.4	3.4
77.5°	26.0	23.4	17.4	10.8	4.6	1.4	1.4	1.4	1.4
80°	18.1	15.4	11.3	6.7	2.7	1.4	1.4	1.4	1.4
82.5°	10.8	9.4	6.7	3.4	1.4	0.7	0.7	0.7	0.7
85°	5.3	4.6	2.7	1.4	0.7	0.7	0.7	0.7	0.7
87.5°	1.4	1.4	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)