

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: P582879

Luminaire Tested: **HCC6S05D010BZ-HM60525830-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582879
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: HCC6S05D010BZ-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

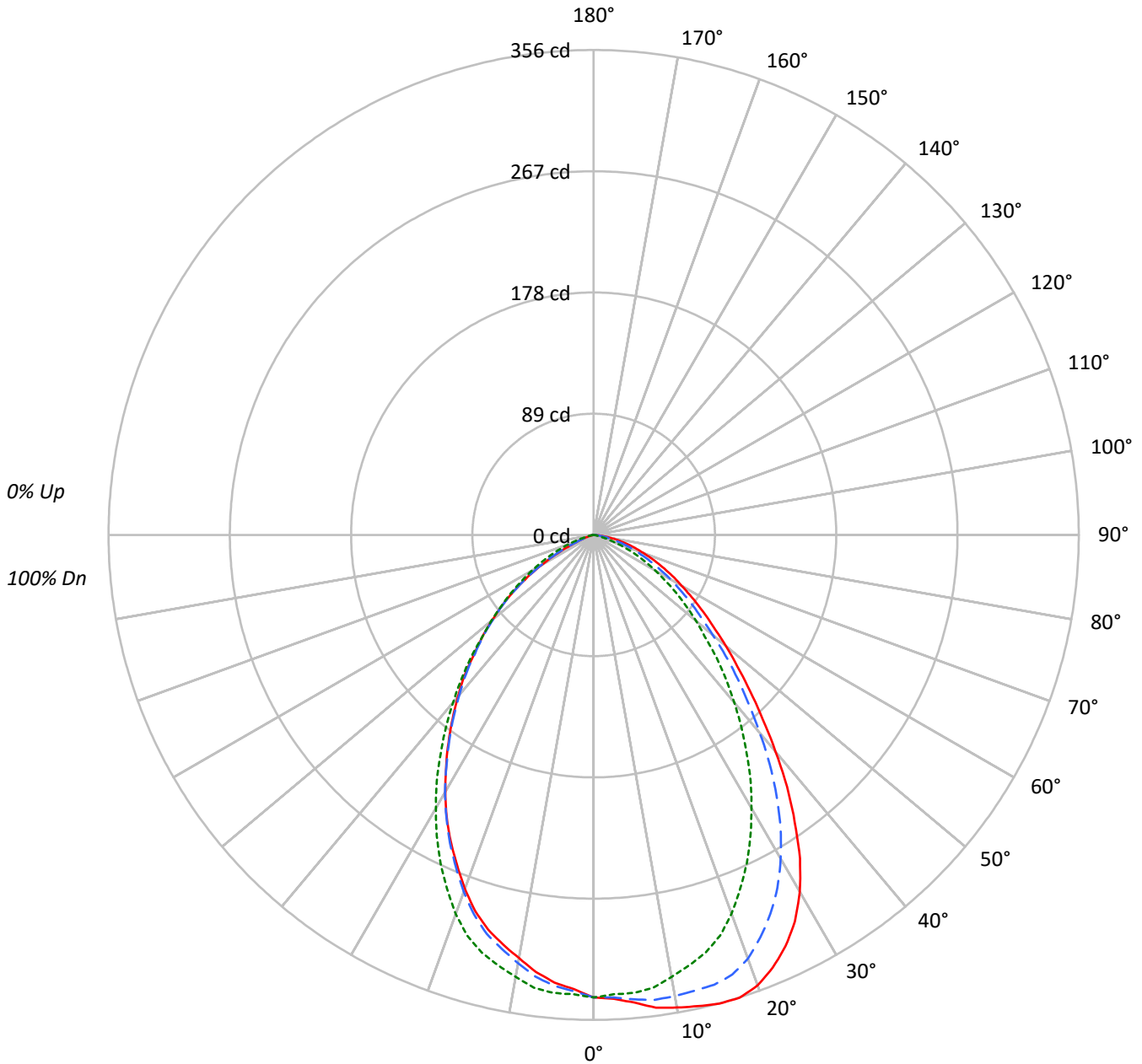
Lumens per Lamp: N/A
Luminaire Lumens: 604.8 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582879
CATALOG NUMBER: HCC6S05D010BZ-HM60525830-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582879

CATALOG NUMBER: HCC6S05D010BZ-HM60525830-61WWBB

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	67	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°	18611	18611	18611
5°	18963	18572	18149
10°	19611	18336	17563
15°	20216	18014	17015
20°	20529	17262	16125
25°	20154	16084	15019
30°	19155	14654	13774
35°	17219	13097	12428
40°	14864	11471	11099
45°	12583	9885	9621
50°	10797	8349	8273
55°	9357	7034	6748
60°	8168	5701	4824
65°	7186	4397	2672
70°	6187	2917	1298
75°	5274	1419	508
80°	4072	600	284
85°	2390	314	314



TEST NUMBER: P582879
 CATALOG NUMBER: HCC6S05D010BZ-HM60525830-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	5.3
10°-20°	90.6	15.0
20°-30°	127.6	21.1
30°-40°	130.3	21.5
40°-50°	105.1	17.4
50°-60°	70.5	11.7
60°-70°	35.7	5.9
70°-80°	11.4	1.9
80°-90°	1.8	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°	250.2	41.4
0°-40°	380.5	62.9
0°-60°	556.0	91.9
0°-90°	604.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	340	340	340	340	340	
5°	345	342	338	332	330	33
15°	356	342	317	303	300	101
25°	333	307	266	250	248	153
35°	257	234	196	185	186	160
45°	162	149	128	123	124	126
55°	98	87	74	70	71	88
65°	55	46	34	22	21	55
75°	25	18	7	2	2	27
85°	4	2	0	0	0	5
90°	0	0	0	0	0	

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



TEST NUMBER: P582879

CATALOG NUMBER: HCC6S05D010BZ-HM60525830-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	339.5	339.5
2.5°	340.8	340.4	339.9	338.9	337.5	336.1	335.2	334.1	333.7
5°	344.6	343.7	342.3	340.4	337.5	334.1	332.2	330.3	329.8
7.5°	350.0	348.0	344.2	339.9	335.2	330.3	327.0	325.1	323.6
10°	352.3	348.9	343.7	336.5	329.4	323.6	319.3	316.5	315.5
12.5°	354.3	350.4	342.7	333.2	323.6	316.1	311.2	308.8	307.9
15°	356.2	352.3	341.8	329.4	317.4	308.4	303.2	300.8	299.8
17.5°	356.2	350.9	338.4	322.7	308.4	297.4	292.1	289.7	289.3
20°	351.9	346.1	330.9	312.2	295.9	283.5	278.8	277.3	276.4
22.5°	343.7	337.1	319.8	298.9	281.1	269.3	264.0	263.1	262.0
25°	333.2	326.6	306.9	284.5	265.9	253.9	249.6	248.7	248.3
27.5°	319.8	312.7	292.1	269.3	249.2	237.8	233.9	233.9	233.5
30°	302.6	294.6	274.5	251.5	231.5	221.0	218.2	218.2	217.6
32.5°	281.7	273.6	255.4	233.5	214.4	203.4	201.0	201.9	201.5
35°	257.3	250.6	233.9	212.4	195.7	185.7	184.8	185.7	185.7
37.5°	233.0	226.8	212.4	193.8	178.1	169.0	169.0	170.4	170.0
40°	207.7	202.8	189.5	173.3	160.3	154.2	153.2	154.7	155.1
42.5°	183.7	180.0	168.5	155.1	143.7	137.5	138.9	139.9	140.3
45°	162.3	158.5	149.4	135.6	127.5	123.2	123.2	124.6	124.1
47.5°	143.2	140.3	131.3	117.9	110.7	108.8	109.8	110.7	110.7
50°	126.6	122.3	113.6	103.2	97.9	95.5	96.4	97.0	97.0
52.5°	110.7	107.9	99.3	89.7	85.0	83.5	83.5	84.1	84.1
55°	97.9	94.5	86.9	77.3	73.6	71.6	70.2	69.7	70.6
57.5°	85.4	82.6	75.4	66.3	62.0	60.1	57.3	56.4	57.3
60°	74.5	72.1	65.0	56.4	52.0	48.3	44.9	42.9	44.0
62.5°	65.0	62.0	54.9	47.7	42.9	38.6	33.4	30.5	32.0
65°	55.4	53.0	45.9	38.6	33.9	28.6	22.5	20.6	20.6
67.5°	46.8	44.4	37.7	31.5	25.8	19.5	13.9	13.3	13.9
70°	38.6	36.3	30.5	24.3	18.2	12.0	8.1	8.1	8.1
72.5°	32.0	29.2	23.8	17.6	11.4	6.2	4.3	4.7	4.7
75°	24.9	22.5	17.6	12.0	6.7	2.8	2.4	2.4	2.4
77.5°	18.6	16.7	12.4	7.7	3.4	0.9	0.9	0.9	0.9
80°	12.9	11.0	8.1	4.7	1.9	0.9	0.9	0.9	0.9
82.5°	7.7	6.7	4.7	2.4	0.9	0.5	0.5	0.5	0.5
85°	3.8	3.4	1.9	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)