

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: P581613

Luminaire Tested: **HCC6W10D010BZ-HM60525840-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581613
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: HCC6W10D010BZ-HM60525840-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

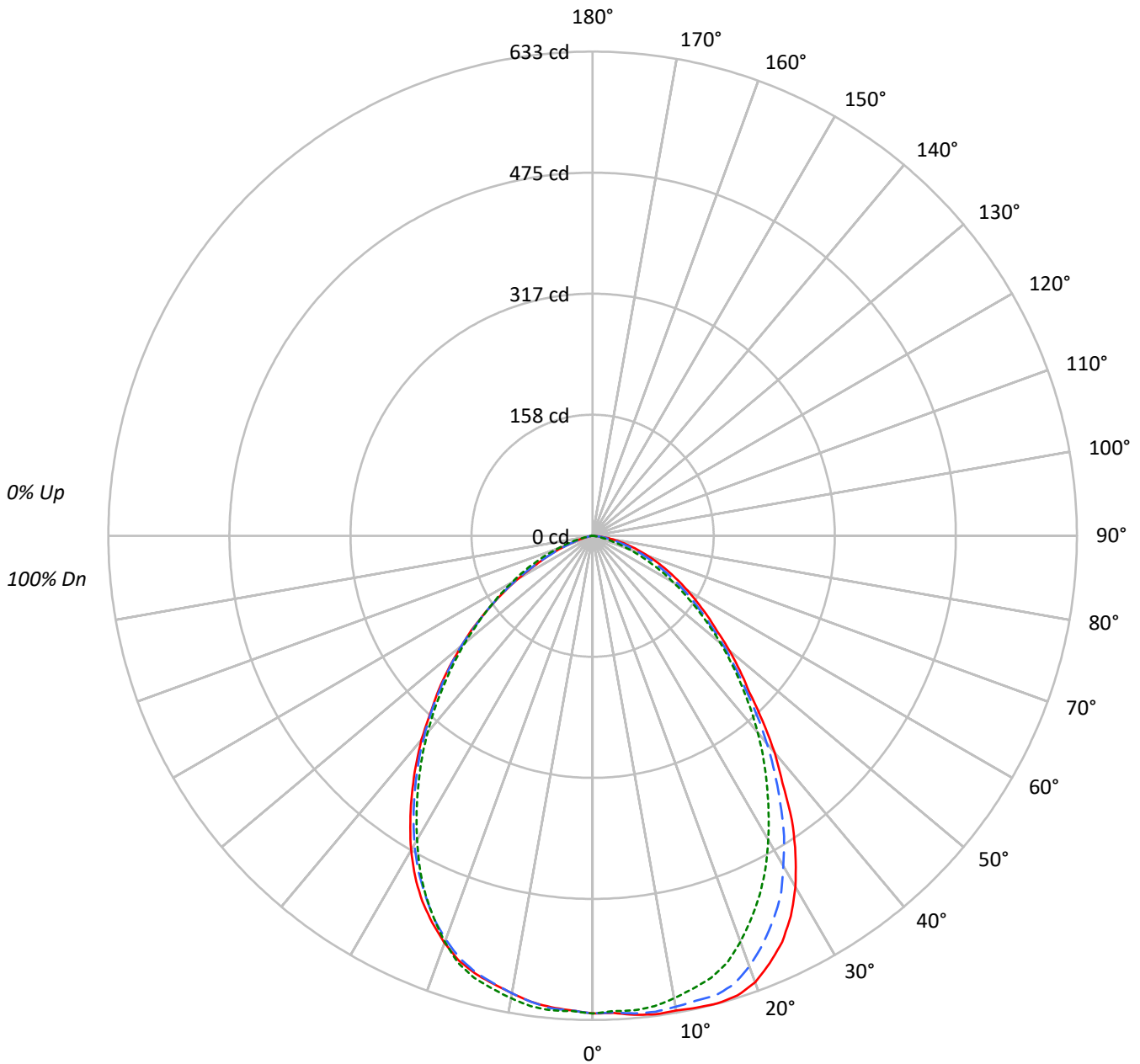
Lumens per Lamp: N/A
Luminaire Lumens: 1223.7 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P581613
CATALOG NUMBER: HCC6W10D010BZ-HM60525840-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P581613

CATALOG NUMBER: HCC6W10D010BZ-HM60525840-61RWWH

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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88								
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77								
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67								
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	34235	34235	34235
5°	34592	34272	34052
10°	35081	34173	33806
15°	35908	33956	33632
20°	36240	32950	33037
25°	35446	31284	31883
30°	33568	29061	30043
35°	30403	26568	27552
40°	26471	24009	24897
45°	22460	21258	22018
50°	19897	18567	19061
55°	17529	15885	15799
60°	15700	13365	12302
65°	14009	10715	8808
70°	12342	7742	5514
75°	10400	4681	3114
80°	8019	2084	1294
85°	4655	503	503



TEST NUMBER: P581613

CATALOG NUMBER: HCC6W10D010BZ-HM60525840-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	4.8
10°-20°	170.4	13.9
20°-30°	246.3	20.1
30°-40°	259.1	21.2
40°-50°	217.8	17.8
50°-60°	152.9	12.5
60°-70°	84.1	6.9
70°-80°	29.9	2.4
80°-90°	3.9	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°	475.9	38.9
0°-40°	735.0	60.1
0°-60°	1105.8	90.4
0°-90°	1223.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1223.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	624	624	624	624	624	
5°	629	627	623	620	619	60
15°	633	622	598	591	593	179
25°	586	556	517	518	527	268
35°	454	428	397	405	412	282
45°	290	282	274	281	284	227
55°	183	174	166	166	165	165
65°	108	97	83	68	68	108
75°	49	39	22	15	15	53
85°	7	4	1	1	1	10
90°	0	0	0	0	0	

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



TEST NUMBER: P581613

CATALOG NUMBER: HCC6W10D010BZ-HM60525840-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	624.5	624.5	624.5	624.5	624.5	624.5	624.5	624.5	624.5
2.5°	624.5	624.5	623.6	623.6	622.0	622.0	621.2	621.2	621.2
5°	628.6	628.6	626.9	624.5	622.8	620.3	620.3	619.5	618.8
7.5°	631.0	630.2	627.7	624.5	620.3	616.3	614.7	615.5	614.7
10°	630.2	628.6	625.3	618.8	613.9	608.1	607.3	606.4	607.3
12.5°	631.9	629.4	622.8	614.7	606.4	600.0	599.1	599.1	600.0
15°	632.7	630.2	622.0	609.7	598.3	591.7	590.9	591.7	592.6
17.5°	630.2	626.9	614.7	598.3	585.2	578.7	578.7	580.3	582.0
20°	621.2	616.3	599.1	579.5	564.8	559.8	561.5	564.8	566.3
22.5°	604.8	599.1	579.5	557.4	541.8	537.7	541.8	545.9	547.5
25°	586.0	579.5	556.5	533.6	517.2	512.3	518.1	524.6	527.1
27.5°	560.7	553.3	532.0	505.8	489.5	487.0	493.6	500.9	502.5
30°	530.3	522.2	498.4	473.9	459.1	458.3	465.7	472.3	474.6
32.5°	493.6	486.2	465.7	441.1	428.0	428.0	435.4	441.1	443.6
35°	454.3	446.0	428.0	407.6	397.0	397.8	405.1	409.2	411.7
37.5°	407.6	405.1	391.2	374.0	366.7	368.4	374.0	377.3	379.8
40°	369.9	363.4	354.4	340.5	335.5	337.2	342.9	346.2	347.9
42.5°	329.0	324.9	317.5	307.8	304.5	306.9	311.9	314.2	313.5
45°	289.7	288.9	281.5	275.9	274.2	277.5	280.7	283.2	284.0
47.5°	261.0	257.8	251.3	247.1	245.5	248.8	252.1	253.7	253.7
50°	233.3	230.0	223.5	219.4	217.7	221.0	223.5	225.0	223.5
52.5°	205.5	202.2	196.4	191.5	190.7	192.3	193.1	194.0	195.6
55°	183.4	180.1	173.5	167.8	166.2	167.0	166.2	166.2	165.3
57.5°	162.1	158.8	152.3	145.7	143.2	142.4	139.9	139.1	138.3
60°	143.2	139.1	132.6	125.2	121.9	118.6	114.6	112.2	112.2
62.5°	125.2	121.1	113.8	107.2	102.3	96.6	90.0	86.7	86.7
65°	108.0	104.7	96.6	89.2	82.6	75.3	67.9	66.3	67.9
67.5°	91.7	88.4	80.3	72.8	64.6	55.7	49.1	49.1	50.7
70°	77.0	73.7	66.3	57.3	48.3	39.3	34.4	34.4	34.4
72.5°	63.1	59.8	51.5	43.4	34.4	25.4	22.9	23.8	22.9
75°	49.1	46.6	39.3	30.3	22.1	15.5	14.7	13.9	14.7
77.5°	36.8	34.4	27.8	19.7	12.2	9.1	8.2	8.2	8.2
80°	25.4	22.9	18.0	11.4	6.6	4.1	4.1	4.1	4.1
82.5°	15.5	13.1	9.8	5.8	2.5	2.5	2.5	2.5	2.5
85°	7.4	5.8	4.1	1.6	0.8	0.8	0.8	0.8	0.8
87.5°	1.6	1.6	0.8	0.8	0.0	0.8	0.8	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)