

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: P583403

Luminaire Tested: **HCC6S07D010BZ-HM60525935-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S07D010BZ-HM60525935-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

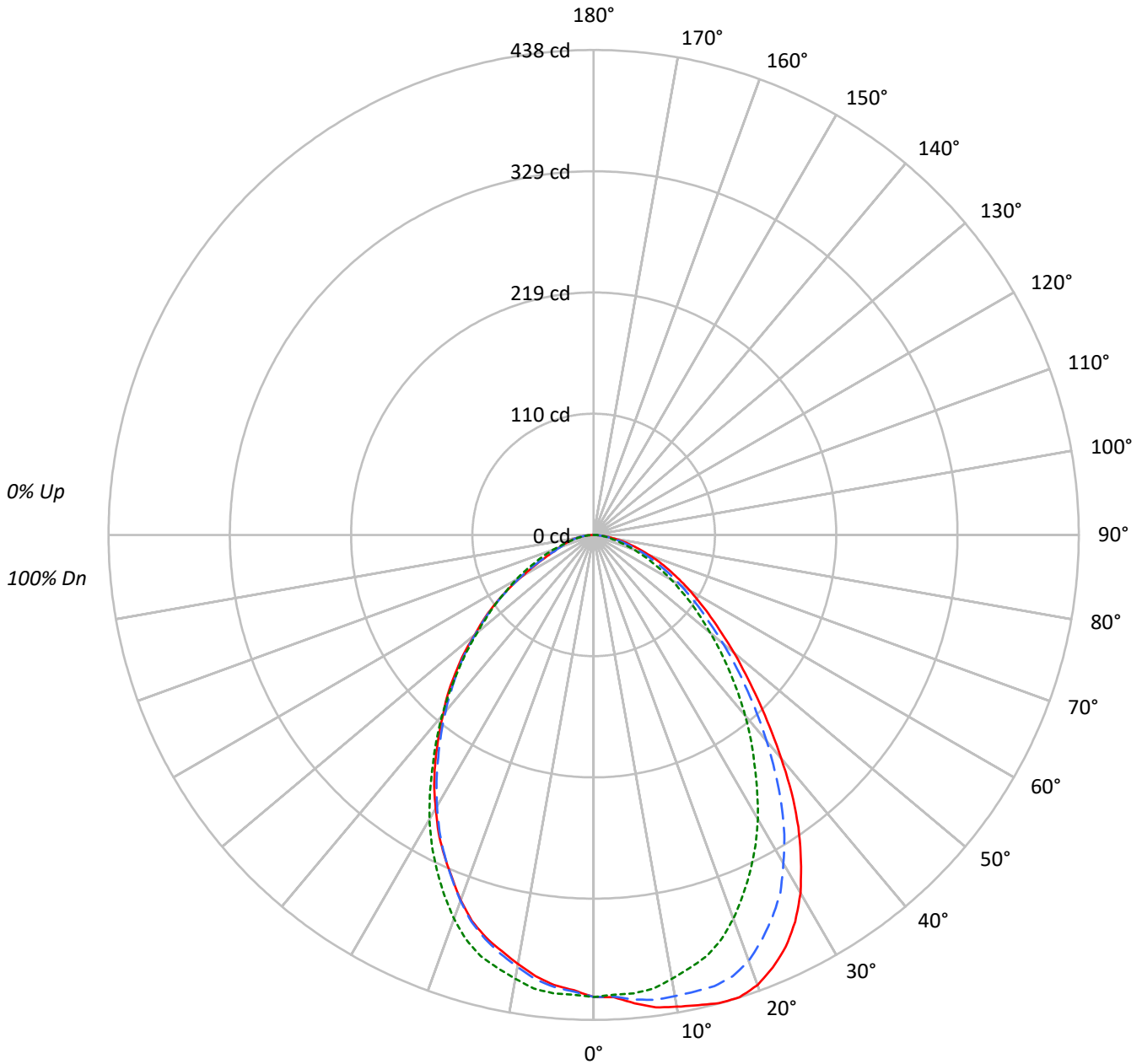
Lumens per Lamp: N/A
Luminaire Lumens: 817.2 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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: P583403
CATALOG NUMBER: HCC6S07D010BZ-HM60525935-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P583403

CATALOG NUMBER: HCC6S07D010BZ-HM60525935-61WWWB

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				100				
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87				87				
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76				76				
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66				66				
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58				58				
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52				52				
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46				46				
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42				42				
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38				38				
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34				34				
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31				31				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	22876	22876	22876
5°	23366	22870	22458
10°	24087	22656	21899
15°	24847	22355	21357
20°	25243	21515	20483
25°	24830	20239	19314
30°	23637	18762	18047
35°	21556	16938	16671
40°	18842	15221	15136
45°	16226	13389	13699
50°	14098	11676	11914
55°	12310	10246	10351
60°	10931	8870	8124
65°	9755	7472	6213
70°	8591	6123	5209
75°	7371	4829	4935
80°	5935	4136	4862
85°	3900	3585	4277



TEST NUMBER: P583403
 CATALOG NUMBER: HCC6S07D010BZ-HM60525935-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	4.8
10°-20°	112.5	13.8
20°-30°	160.6	19.6
30°-40°	168.2	20.6
40°-50°	141.6	17.3
50°-60°	100.8	12.3
60°-70°	59.0	7.2
70°-80°	27.9	3.4
80°-90°	7.2	0.9
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°	312.5	38.2
0°-40°	480.7	58.8
0°-60°	723.1	88.5
0°-90°	817.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	817.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	417	417	417	417	417	
5°	425	421	416	410	408	41
15°	438	422	394	378	376	124
25°	410	381	335	319	319	188
35°	322	295	253	244	249	200
45°	209	194	173	173	177	162
55°	129	118	107	107	108	116
65°	75	67	58	48	48	75
75°	35	29	23	22	23	37
85°	6	5	6	7	7	8
90°	0	0	0	0	0	

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



TEST NUMBER: P583403

CATALOG NUMBER: HCC6S07D010BZ-HM60525935-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	417.3	417.3	417.3	417.3	417.3	417.3	417.3	417.3	417.3
2.5°	417.9	417.9	417.3	416.7	415.6	413.9	412.8	411.6	411.6
5°	424.6	423.5	421.2	418.4	415.6	412.2	409.9	408.1	408.1
7.5°	430.4	428.2	423.5	418.4	413.3	408.7	404.7	402.4	401.9
10°	432.7	429.9	422.9	415.0	407.0	400.7	396.2	393.4	393.4
12.5°	435.0	431.6	422.4	411.1	400.7	392.2	387.6	385.3	384.8
15°	437.8	433.3	421.8	407.5	393.9	384.2	378.0	376.3	376.3
17.5°	437.8	432.1	417.9	400.2	383.1	372.2	366.5	364.8	365.4
20°	432.7	426.3	409.4	387.6	368.8	357.5	351.7	350.6	351.1
22.5°	422.9	415.6	396.2	372.8	352.2	340.4	335.1	335.1	334.6
25°	410.5	402.4	381.4	356.9	334.6	322.7	318.7	319.3	319.3
27.5°	393.9	385.9	364.8	338.7	316.3	304.4	301.6	302.7	303.3
30°	373.4	364.8	342.6	316.9	296.4	284.5	282.8	284.5	285.1
32.5°	348.3	342.1	320.4	294.1	274.8	264.6	264.0	265.7	268.0
35°	322.1	315.2	295.3	271.4	253.1	244.5	244.5	247.4	249.1
37.5°	293.6	286.8	268.5	248.6	233.2	225.1	226.3	229.2	229.8
40°	263.3	258.2	242.8	225.7	212.7	206.3	208.0	211.0	211.5
42.5°	234.9	230.3	217.8	202.4	192.7	188.1	190.3	193.9	195.0
45°	209.3	204.1	193.9	180.7	172.7	170.4	173.3	175.6	176.7
47.5°	185.8	181.3	172.7	160.8	155.1	153.9	156.8	157.9	159.1
50°	165.3	160.8	152.2	141.4	136.9	136.9	139.1	140.3	139.7
52.5°	145.4	141.4	133.4	124.3	121.5	121.5	123.2	123.7	124.9
55°	128.8	124.9	117.9	109.4	107.2	106.0	107.2	107.2	108.3
57.5°	113.4	110.0	103.8	95.7	92.9	91.8	91.2	90.6	91.8
60°	99.7	96.9	90.1	83.3	80.9	78.1	75.8	73.5	74.1
62.5°	87.2	84.4	78.1	71.3	69.0	65.0	62.1	59.3	60.4
65°	75.2	72.4	66.7	61.0	57.6	53.0	48.5	46.8	47.9
67.5°	64.5	62.1	56.4	50.8	47.9	42.7	38.2	38.2	38.7
70°	53.6	51.3	46.8	41.6	38.2	33.7	32.0	32.5	32.5
72.5°	43.8	42.1	37.6	33.1	29.7	26.7	26.7	27.4	28.0
75°	34.8	33.7	29.1	25.0	22.8	21.1	22.2	22.8	23.3
77.5°	26.7	25.0	21.6	18.8	17.1	17.7	18.8	19.4	19.9
80°	18.8	18.2	15.4	13.7	13.1	13.7	14.8	15.4	15.4
82.5°	12.0	11.4	9.7	9.2	9.2	9.7	10.9	10.9	10.9
85°	6.2	5.7	5.1	5.1	5.7	6.2	6.8	6.8	6.8
87.5°	2.3	1.7	2.3	2.3	2.8	2.8	2.8	2.8	2.8
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)