

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: P582070

Luminaire Tested: **HCC6S25D010BZ-HM60525927-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582070  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S25D010BZ-HM60525927-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

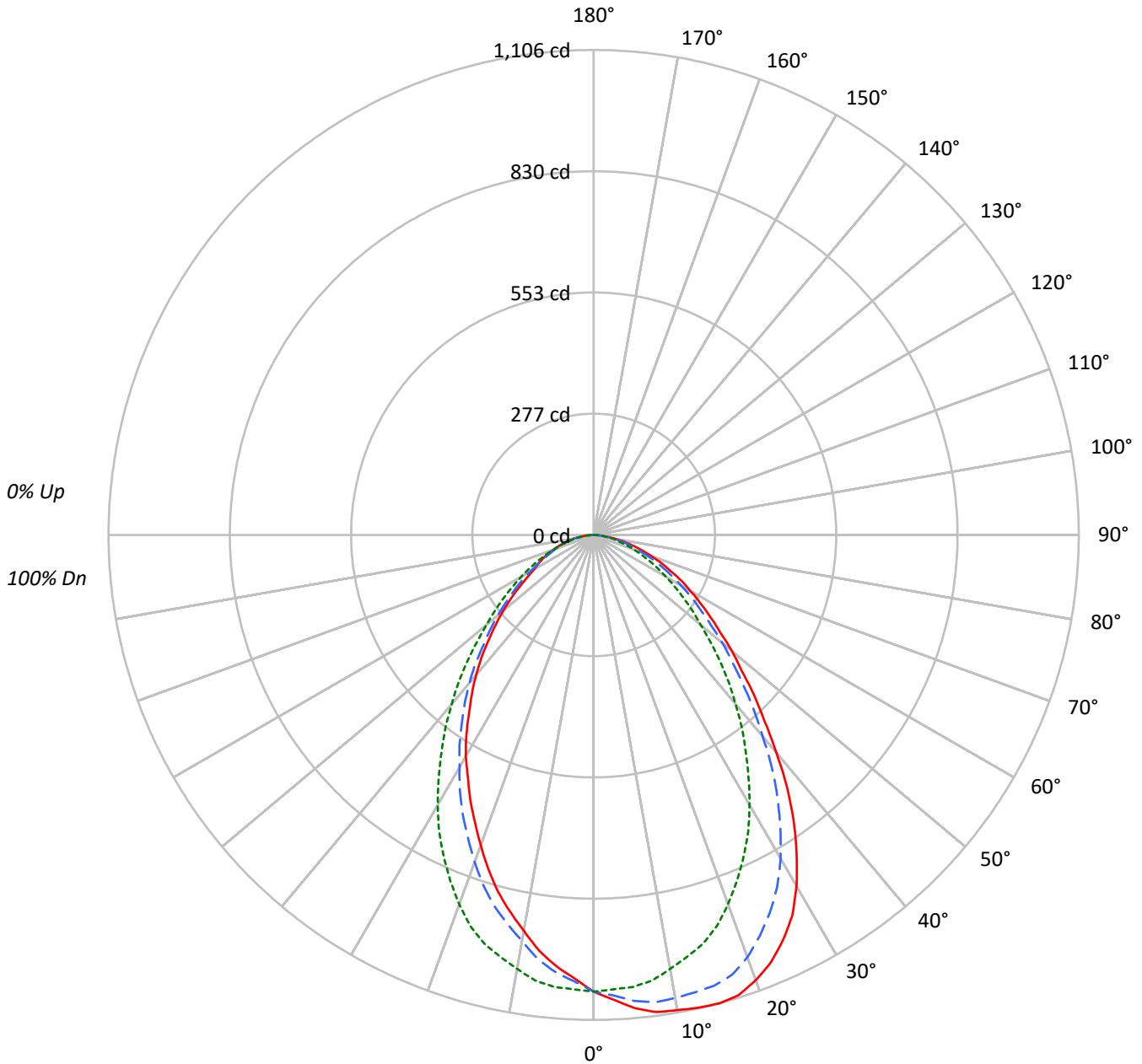
Lumens per Lamp: N/A  
Luminaire Lumens: 1940.1 lumens  
Efficiency: N/A  
Efficacy: 72.4 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P582070  
CATALOG NUMBER: HCC6S25D010BZ-HM60525927-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582070

CATALOG NUMBER: HCC6S25D010BZ-HM60525927-61WWW

**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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76					76			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66					66			
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58					58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51					51			
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	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	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32					32			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	57095	57095	57095
5°	59630	56928	54309
10°	61255	55944	51029
15°	62770	54734	47810
20°	63046	52260	43911
25°	61721	48922	40272
30°	58560	44988	36911
35°	53190	40435	33114
40°	46344	36010	29799
45°	40097	31515	26189
50°	35027	27129	22950
55°	30948	23846	19689
60°	27816	20897	17060
65°	24918	18186	16552
70°	22247	15499	15499
75°	19296	13047	14551
80°	15501	11081	13291
85°	10567	9686	11448



TEST NUMBER: P582070  
 CATALOG NUMBER: HCC6S25D010BZ-HM60525927-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.9	5.0
10°-20°	272.1	14.0
20°-30°	379.2	19.5
30°-40°	390.7	20.1
40°-50°	323.8	16.7
50°-60°	232.7	12.0
60°-70°	148.2	7.6
70°-80°	76.1	3.9
80°-90°	19.4	1.0
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°	749.2	38.6
0°-40°	1139.9	58.8
0°-60°	1696.4	87.4
0°-90°	1940.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1940.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1042	1042	1042	1042	1042	
5°	1084	1067	1034	1001	987	104
15°	1106	1064	964	876	842	312
25°	1020	950	809	705	666	468
35°	795	730	604	524	495	494
45°	517	481	406	355	338	400
55°	324	297	250	222	206	292
65°	192	171	140	122	128	192
75°	91	78	62	64	69	97
85°	17	15	15	17	18	22
90°	0	0	0	0	0	

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



TEST NUMBER: P582070

CATALOG NUMBER: HCC6S25D010BZ-HM60525927-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1041.5	1041.5	1041.5	1041.5	1041.5	1041.5	1041.5	1041.5	1041.5
2.5°	1061.2	1056.9	1051.3	1045.8	1037.2	1027.5	1019.1	1016.3	1012.0
5°	1083.6	1078.0	1066.7	1052.6	1034.5	1016.3	1000.9	991.0	986.9
7.5°	1097.5	1090.6	1075.1	1051.3	1024.7	998.0	975.6	961.6	956.0
10°	1100.4	1093.4	1072.3	1040.1	1005.0	968.6	940.5	923.7	916.7
12.5°	1104.5	1094.7	1068.2	1030.2	985.4	943.4	908.3	887.2	880.2
15°	1106.0	1094.7	1063.9	1017.7	964.4	913.9	876.1	850.9	842.4
17.5°	1100.4	1087.7	1051.3	995.3	935.0	881.7	836.9	810.2	799.0
20°	1080.7	1066.7	1024.7	961.6	895.8	839.6	793.4	765.3	752.7
22.5°	1055.5	1037.2	989.6	922.3	853.7	794.8	748.5	720.5	707.8
25°	1020.4	1003.7	950.4	878.9	808.8	747.2	705.1	675.6	665.8
27.5°	979.8	960.2	905.5	834.0	762.6	700.9	660.2	633.6	621.0
30°	925.1	906.9	852.3	780.7	710.7	653.2	611.2	588.8	583.1
32.5°	860.7	845.3	792.0	724.7	657.4	604.2	569.1	545.3	539.7
35°	794.8	776.6	730.2	667.2	604.2	556.5	524.3	503.2	494.8
37.5°	723.4	706.4	667.2	611.2	555.1	510.2	482.2	464.0	455.6
40°	647.6	635.0	598.6	553.7	503.2	464.0	440.2	424.8	416.4
42.5°	577.5	564.9	539.7	497.6	455.6	420.5	399.5	385.4	378.4
45°	517.2	506.1	480.8	444.3	406.5	377.0	354.6	344.8	337.8
47.5°	457.0	451.3	428.9	395.3	360.2	335.1	319.6	308.4	302.7
50°	410.7	403.7	382.7	347.6	318.1	298.6	284.6	274.8	269.1
52.5°	363.0	356.1	336.4	307.0	283.2	264.9	250.9	242.5	236.9
55°	323.8	318.1	297.2	270.5	249.5	234.1	221.5	211.6	206.0
57.5°	287.3	281.8	262.1	236.9	218.6	204.6	193.5	185.1	178.1
60°	253.7	249.5	229.9	206.0	190.6	176.7	166.8	159.8	155.6
62.5°	224.3	215.9	199.1	178.1	164.0	152.7	143.0	138.8	141.6
65°	192.1	187.8	171.0	152.7	140.2	128.9	121.9	124.8	127.6
67.5°	165.4	159.8	145.7	128.9	117.8	109.4	105.1	110.8	112.1
70°	138.8	133.2	120.5	106.5	96.7	91.1	91.1	95.4	96.7
72.5°	113.5	109.4	98.1	87.0	79.9	75.7	78.4	81.3	82.7
75°	91.1	87.0	78.4	68.7	61.6	61.6	64.5	67.3	68.7
77.5°	70.0	67.3	58.9	51.9	49.1	49.1	51.9	53.3	54.6
80°	49.1	46.2	42.1	37.8	35.1	37.8	40.6	40.6	42.1
82.5°	32.2	30.8	28.1	25.2	25.2	26.7	28.1	29.4	29.4
85°	16.8	16.8	15.4	14.0	15.4	16.8	16.8	18.2	18.2
87.5°	5.6	5.6	5.6	5.6	7.0	7.0	7.0	7.0	7.0
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)