

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: P582195

Luminaire Tested: **HCC6S30D010BZ-HM63040840-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582195  
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: HCC6S30D010BZ-HM63040840-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

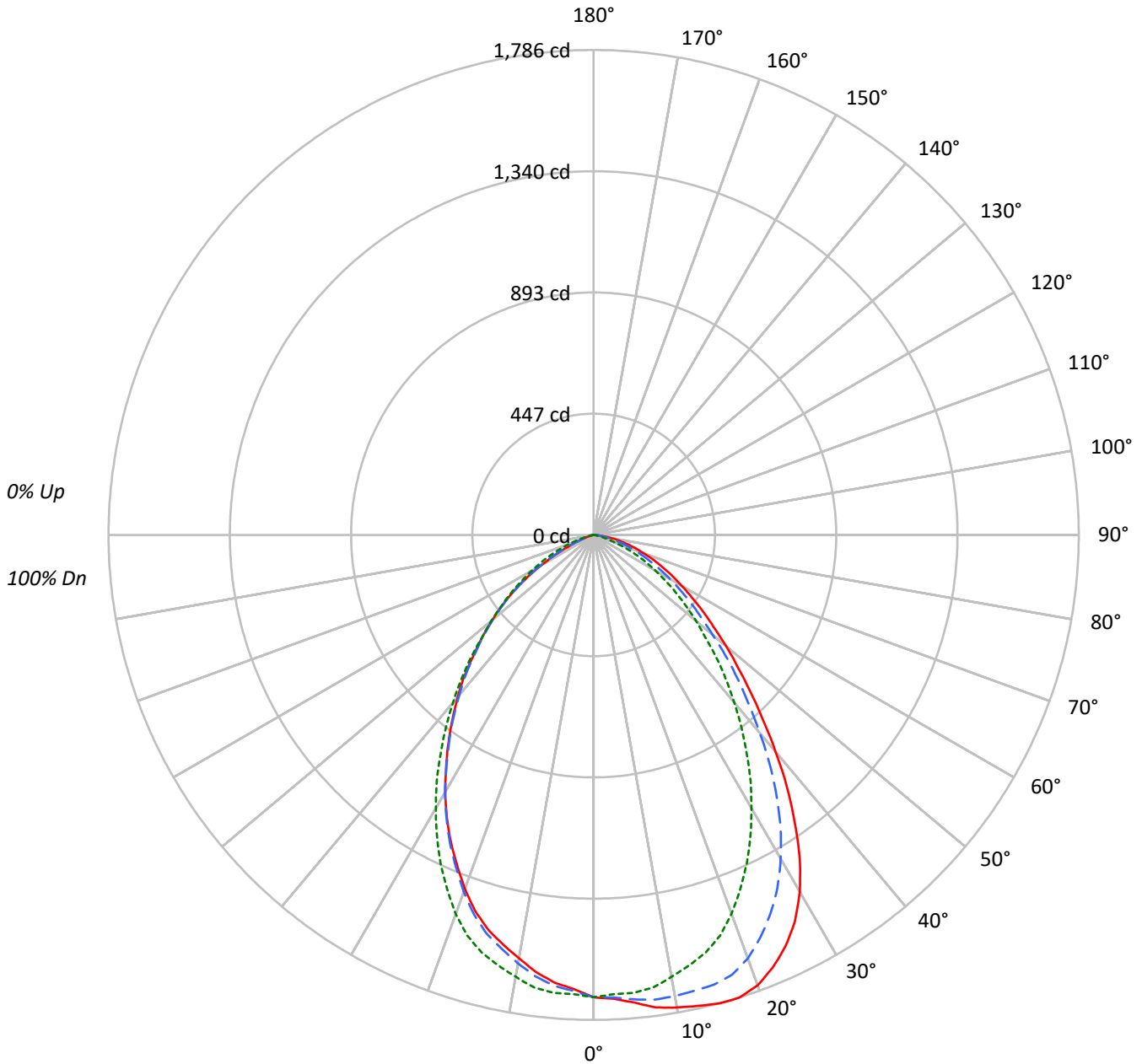
Lumens per Lamp: N/A  
Luminaire Lumens: 3034.1 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
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: P582195  
CATALOG NUMBER: HCC6S30D010BZ-HM63040840-61WWBB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582195

CATALOG NUMBER: HCC6S30D010BZ-HM63040840-61WWBB

**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	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°	93337	93337	93337
5°	95141	93165	91057
10°	98378	91982	88113
15°	101391	90375	85347
20°	102956	86615	80886
25°	101105	80678	75319
30°	96103	73518	69125
35°	86384	65712	62346
40°	74547	57579	55697
45°	63123	49563	48269
50°	54122	41866	41457
55°	46918	35248	33872
60°	40962	28616	24154
65°	36035	22052	13361
70°	31079	14586	6524
75°	26370	7096	2542
80°	20426	3031	1515
85°	12014	1510	1510



TEST NUMBER: P582195  
 CATALOG NUMBER: HCC6S30D010BZ-HM63040840-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.7	5.3
10°-20°	454.4	15.0
20°-30°	639.8	21.1
30°-40°	653.7	21.5
40°-50°	527.1	17.4
50°-60°	353.5	11.7
60°-70°	178.9	5.9
70°-80°	57.2	1.9
80°-90°	8.8	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°	1254.9	41.4
0°-40°	1908.6	62.9
0°-60°	2789.2	91.9
0°-90°	3034.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3034.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1703	1703	1703	1703	1703	
5°	1729	1717	1693	1667	1655	166
15°	1786	1714	1592	1521	1504	504
25°	1672	1540	1334	1252	1245	765
35°	1291	1173	982	927	932	803
45°	814	750	639	618	623	633
55°	491	436	369	352	354	442
65°	278	230	170	113	103	277
75°	124	89	34	12	12	134
85°	19	10	2	2	2	26
90°	0	0	0	0	0	



TEST NUMBER: P582195

CATALOG NUMBER: HCC6S30D010BZ-HM63040840-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1702.6	1702.6	1702.6	1702.6	1702.6	1702.6	1702.6	1702.6	1702.6
2.5°	1709.8	1707.4	1705.0	1700.3	1693.0	1685.9	1681.1	1676.3	1673.9
5°	1728.9	1724.2	1717.0	1707.4	1693.0	1676.3	1666.7	1657.1	1654.7
7.5°	1755.3	1745.7	1726.5	1705.0	1681.1	1657.1	1640.3	1630.8	1623.6
10°	1767.3	1750.6	1724.2	1688.3	1652.4	1623.6	1602.1	1587.7	1582.9
12.5°	1776.8	1757.7	1719.4	1671.5	1623.6	1585.3	1561.3	1549.4	1544.6
15°	1786.5	1767.3	1714.5	1652.4	1592.4	1547.0	1520.6	1508.6	1503.8
17.5°	1786.5	1760.1	1697.8	1618.8	1547.0	1491.8	1465.6	1453.6	1451.2
20°	1764.8	1736.2	1659.5	1566.2	1484.7	1422.4	1398.5	1391.4	1386.5
22.5°	1724.2	1690.6	1604.4	1499.1	1410.5	1350.6	1324.3	1319.4	1314.7
25°	1671.5	1638.0	1539.8	1427.3	1333.8	1274.0	1252.4	1247.6	1245.2
27.5°	1604.4	1568.5	1465.6	1350.6	1250.0	1192.6	1173.4	1173.4	1171.0
30°	1518.2	1477.6	1377.0	1262.0	1161.4	1108.7	1094.4	1094.4	1092.0
32.5°	1412.9	1372.1	1281.1	1171.0	1075.2	1020.2	1008.2	1012.9	1010.5
35°	1290.8	1257.2	1173.4	1065.6	981.9	931.6	926.7	931.6	931.6
37.5°	1168.5	1137.5	1065.6	972.2	893.2	847.8	847.8	854.9	852.5
40°	1041.7	1017.8	950.7	869.3	804.6	773.4	768.7	775.8	778.3
42.5°	922.0	902.8	845.4	778.3	720.8	689.6	696.9	701.6	704.0
45°	814.2	795.1	749.5	680.1	639.3	617.8	617.8	625.1	622.6
47.5°	718.4	704.0	658.6	591.5	555.6	546.0	550.7	555.6	555.6
50°	634.6	613.0	569.9	517.2	490.9	478.9	483.7	486.1	486.1
52.5°	555.6	541.2	498.1	450.2	426.3	419.1	419.1	421.5	421.5
55°	490.9	474.2	435.9	388.0	368.8	359.2	352.1	349.6	354.4
57.5°	428.6	414.2	378.3	332.9	311.3	301.8	287.4	282.6	287.4
60°	373.6	361.6	325.7	282.6	261.0	241.8	225.1	215.6	220.3
62.5°	325.7	311.3	275.4	239.5	215.6	193.9	167.6	153.3	160.4
65°	277.8	265.9	229.8	193.9	170.0	143.6	112.6	103.0	103.0
67.5°	234.7	222.7	189.2	158.0	129.4	98.2	69.4	67.1	69.4
70°	193.9	182.0	153.3	122.1	91.0	59.9	40.7	40.7	40.7
72.5°	160.4	146.1	119.7	88.6	57.4	31.2	21.5	23.9	23.9
75°	124.5	112.6	88.6	59.9	33.5	14.4	12.0	12.0	12.0
77.5°	93.3	83.8	62.3	38.3	16.8	4.8	4.8	4.8	4.8
80°	64.7	55.1	40.7	23.9	9.6	4.8	4.8	4.8	4.8
82.5°	38.3	33.5	23.9	12.0	4.8	2.4	2.4	2.4	2.4
85°	19.1	16.8	9.6	4.8	2.4	2.4	2.4	2.4	2.4
87.5°	4.8	4.8	2.4	2.4	0.0	2.4	2.4	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)