

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: P582160

Luminaire Tested: **HCC6W30D010MB-HM63040830-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582160  
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: HCC6W30D010MB-HM63040830-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

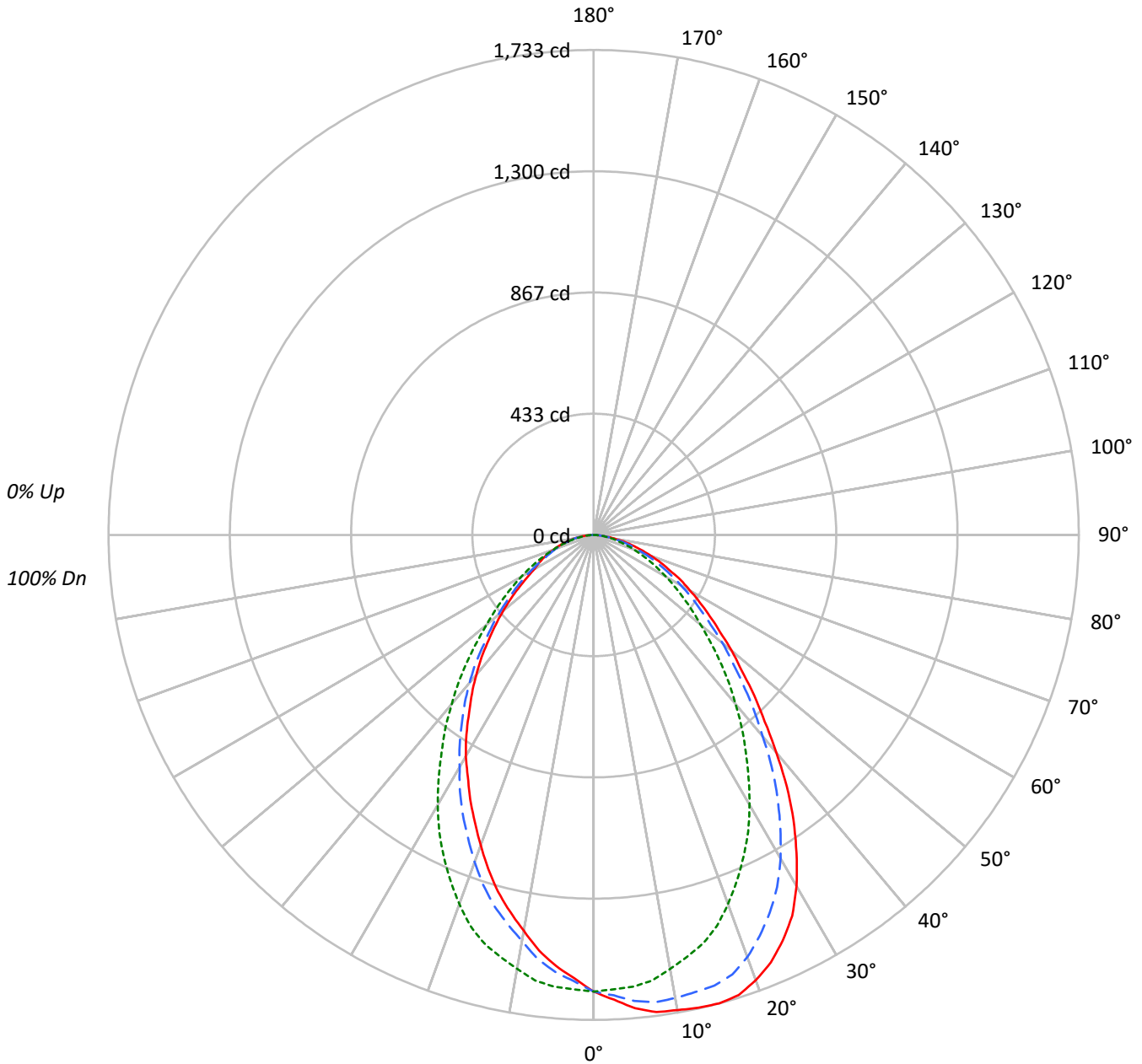
Lumens per Lamp: N/A  
Luminaire Lumens: 3039.6 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P582160  
CATALOG NUMBER: HCC6W30D010MB-HM63040830-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582160

CATALOG NUMBER: HCC6W30D010MB-HM63040830-61WWW

**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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

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

	0°	90°	180°
0°	89456	89456	89456
5°	93424	89186	85081
10°	95968	87657	79953
15°	98338	85755	74910
20°	98784	81872	68804
25°	96707	76650	63100
30°	91755	70486	57832
35°	83333	63349	51879
40°	72615	56420	46680
45°	62828	49377	41028
50°	54881	42515	35956
55°	48486	37361	30852
60°	43582	32750	26719
65°	39031	28486	25930
70°	34862	24283	24283
75°	30246	20482	22791
80°	24246	17332	20804
85°	16605	15159	17926

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P582160

CATALOG NUMBER: HCC6W30D010MB-HM63040830-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.4	5.0
10°-20°	426.3	14.0
20°-30°	594.1	19.5
30°-40°	612.1	20.1
40°-50°	507.3	16.7
50°-60°	364.6	12.0
60°-70°	232.2	7.6
70°-80°	119.2	3.9
80°-90°	30.3	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°	1173.8	38.6
0°-40°	1785.9	58.8
0°-60°	2657.8	87.4
0°-90°	3039.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3039.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1632	1632	1632	1632	1632	
5°	1698	1671	1621	1568	1546	163
15°	1733	1667	1511	1373	1320	488
25°	1599	1489	1267	1105	1043	733
35°	1245	1144	947	821	775	773
45°	810	753	637	556	529	627
55°	507	466	391	347	323	457
65°	301	268	220	191	200	301
75°	143	123	97	101	108	152
85°	26	24	24	26	28	34
90°	0	0	0	0	0	

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



TEST NUMBER: P582160

CATALOG NUMBER: HCC6W30D010MB-HM63040830-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1631.8	1631.8	1631.8	1631.8	1631.8	1631.8	1631.8	1631.8	1631.8
2.5°	1662.5	1655.9	1647.1	1638.3	1625.1	1609.8	1596.6	1592.2	1585.7
5°	1697.7	1688.9	1671.3	1649.4	1620.7	1592.2	1568.1	1552.7	1546.1
7.5°	1719.7	1708.6	1684.5	1647.1	1605.4	1563.7	1528.6	1506.6	1497.8
10°	1724.0	1713.0	1680.1	1629.5	1574.7	1517.5	1473.6	1447.3	1436.3
12.5°	1730.6	1715.3	1673.5	1614.2	1543.9	1478.0	1423.1	1390.2	1379.2
15°	1732.7	1715.3	1666.9	1594.4	1511.0	1431.9	1372.6	1333.1	1319.9
17.5°	1724.0	1704.2	1647.1	1559.3	1464.8	1381.4	1311.1	1269.4	1251.8
20°	1693.3	1671.3	1605.4	1506.6	1403.4	1315.5	1243.0	1199.1	1179.4
22.5°	1653.8	1625.1	1550.5	1445.1	1337.5	1245.2	1172.7	1128.8	1109.1
25°	1598.8	1572.5	1489.0	1377.0	1267.2	1170.6	1104.7	1058.6	1043.2
27.5°	1535.1	1504.4	1418.7	1306.7	1194.7	1098.0	1034.4	992.7	973.0
30°	1449.5	1421.0	1335.2	1223.2	1113.5	1023.4	957.5	922.4	913.6
32.5°	1348.4	1324.3	1240.8	1135.4	1030.0	946.6	891.6	854.3	845.5
35°	1245.2	1216.7	1144.2	1045.4	946.6	871.9	821.4	788.4	775.2
37.5°	1133.2	1106.8	1045.4	957.5	869.6	799.4	755.5	727.0	713.8
40°	1014.7	994.8	937.8	867.5	788.4	727.0	689.6	665.5	652.3
42.5°	904.8	885.1	845.5	779.6	713.8	658.8	625.9	603.9	593.0
45°	810.4	792.8	753.2	696.2	636.9	590.8	555.6	540.3	529.2
47.5°	715.9	707.2	672.0	619.4	564.4	524.9	500.7	483.2	474.4
50°	643.5	632.5	599.6	544.7	498.5	467.8	445.9	430.4	421.6
52.5°	568.8	557.9	527.1	481.0	443.6	415.1	393.1	379.9	371.2
55°	507.3	498.5	465.6	423.9	390.9	366.8	347.0	331.6	322.8
57.5°	450.3	441.5	410.7	371.2	342.6	320.7	303.1	289.9	278.9
60°	397.5	390.9	360.1	322.8	298.7	276.7	261.3	250.4	243.7
62.5°	351.3	338.3	311.9	278.9	256.9	239.3	224.0	217.5	221.9
65°	300.9	294.3	267.9	239.3	219.6	202.0	191.1	195.5	199.9
67.5°	259.2	250.4	228.4	202.0	184.5	171.3	164.7	173.5	175.7
70°	217.5	208.7	188.8	166.9	151.5	142.8	142.8	149.3	151.5
72.5°	177.9	171.3	153.7	136.1	125.2	118.5	122.9	127.3	129.6
75°	142.8	136.1	122.9	107.6	96.7	96.7	101.1	105.5	107.6
77.5°	109.9	105.5	92.3	81.2	76.8	76.8	81.2	83.5	85.6
80°	76.8	72.5	65.9	59.3	54.9	59.3	63.7	63.7	65.9
82.5°	50.5	48.3	43.9	39.5	39.5	41.7	43.9	46.1	46.1
85°	26.4	26.4	24.1	22.0	24.1	26.4	26.4	28.5	28.5
87.5°	8.8	8.8	8.8	8.8	10.9	10.9	10.9	10.9	10.9
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)