

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: P582152

Luminaire Tested: **HCC6S30D010BZ-HM63040830-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582152  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S30D010BZ-HM63040830-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

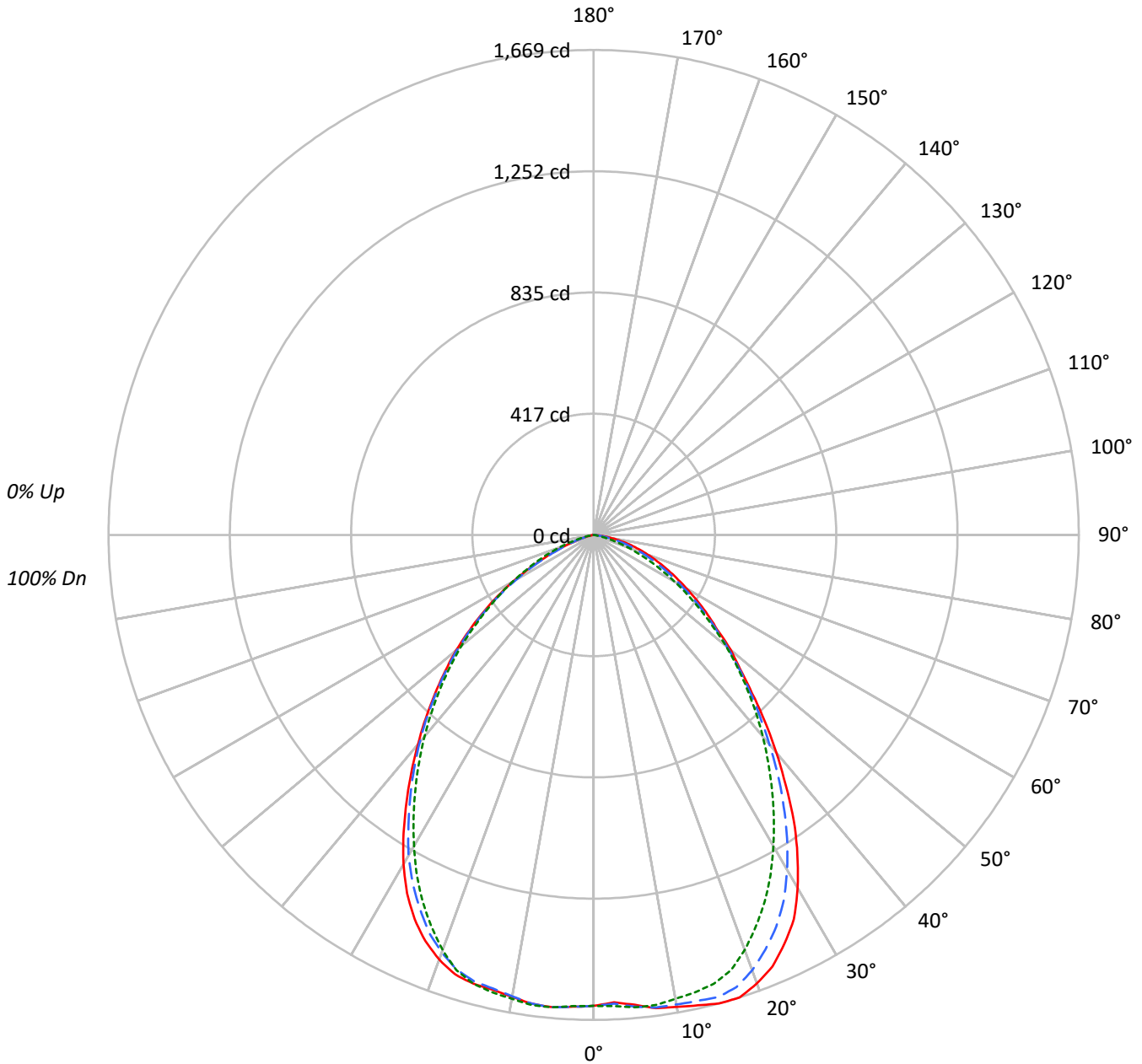
Lumens per Lamp: N/A  
Luminaire Lumens: 3272.3 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582152  
CATALOG NUMBER: HCC6S30D010BZ-HM63040830-61RWWC

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582152

CATALOG NUMBER: HCC6S30D010BZ-HM63040830-61RWWC

**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	94	92	90	88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68			
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60			
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	62	55	50	60	54	49	58	53	49	47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	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°	88863	88863	88863
5°	89319	89803	89803
10°	91821	90234	89861
15°	94734	90750	90750
20°	95838	88669	90716
25°	93925	84223	88215
30°	88843	78278	82861
35°	80401	71581	75108
40°	69945	64757	67269
45°	59766	57727	59766
50°	52450	50583	52638
55°	45762	42617	44299
60°	40446	35392	34909
65°	35905	27915	23933
70°	31688	19699	14426
75°	26963	11162	6969
80°	20110	3441	2052
85°	11070	1321	1321



TEST NUMBER: P582152

CATALOG NUMBER: HCC6S30D010BZ-HM63040830-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.5	4.8
10°-20°	454.9	13.9
20°-30°	664.4	20.3
30°-40°	696.8	21.3
40°-50°	587.0	17.9
50°-60°	411.3	12.6
60°-70°	220.5	6.7
70°-80°	73.9	2.3
80°-90°	8.0	0.2
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°	1274.8	39.0
0°-40°	1971.6	60.3
0°-60°	2969.9	90.8
0°-90°	3272.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3272.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1621	1621	1621	1621	1621	
5°	1623	1630	1632	1632	1632	156
15°	1669	1647	1599	1590	1599	471
25°	1553	1487	1392	1417	1458	711
35°	1201	1140	1070	1100	1122	746
45°	771	758	745	764	771	601
55°	479	464	446	455	464	431
65°	277	252	215	178	184	276
75°	127	99	53	33	33	135
85°	18	9	2	2	2	24
90°	0	0	0	0	0	

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



TEST NUMBER: P582152

CATALOG NUMBER: HCC6S30D010BZ-HM63040830-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0
2.5°	1609.9	1609.9	1614.3	1618.7	1623.1	1623.1	1625.2	1627.5	1625.2
5°	1623.1	1623.1	1629.6	1631.9	1631.9	1629.6	1631.9	1631.9	1631.9
7.5°	1642.8	1638.4	1640.7	1636.3	1631.9	1629.6	1627.5	1627.5	1627.5
10°	1649.5	1645.1	1640.7	1631.9	1621.0	1614.3	1612.2	1614.3	1614.3
12.5°	1658.3	1653.9	1642.8	1625.2	1612.2	1601.1	1599.0	1603.4	1603.4
15°	1669.2	1664.8	1647.2	1618.7	1599.0	1587.9	1590.2	1594.6	1599.0
17.5°	1669.2	1660.4	1631.9	1594.6	1570.4	1559.4	1568.2	1579.2	1585.8
20°	1642.8	1634.0	1594.6	1548.4	1519.9	1513.2	1528.7	1548.4	1555.0
22.5°	1607.8	1590.2	1544.0	1489.1	1458.4	1458.4	1480.3	1504.4	1513.2
25°	1552.8	1539.6	1487.0	1423.2	1392.4	1390.3	1416.7	1449.6	1458.4
27.5°	1491.4	1473.8	1416.7	1350.7	1317.8	1320.0	1348.6	1381.5	1390.3
30°	1403.5	1381.5	1331.0	1267.2	1236.6	1245.4	1273.9	1298.0	1309.0
32.5°	1304.7	1284.8	1238.7	1179.5	1153.1	1161.9	1186.0	1208.0	1216.8
35°	1201.4	1179.5	1139.9	1087.2	1069.6	1078.4	1100.4	1117.9	1122.3
37.5°	1085.0	1069.6	1041.1	999.4	986.2	997.1	1014.7	1025.8	1030.0
40°	977.4	964.2	940.0	909.3	904.9	913.6	931.2	937.9	940.0
42.5°	871.9	861.0	845.6	823.6	823.6	832.4	847.8	852.2	854.4
45°	770.9	764.3	757.7	740.2	744.6	755.5	764.3	770.9	770.9
47.5°	683.1	685.2	676.4	663.3	667.7	678.7	685.2	691.9	691.9
50°	615.0	608.4	599.6	586.4	593.1	601.8	610.6	615.0	617.2
52.5°	535.9	533.7	527.1	511.7	516.1	520.5	529.3	535.9	538.1
55°	478.8	472.3	463.5	445.9	445.9	450.3	454.7	459.1	463.5
57.5°	423.9	417.3	404.1	384.4	382.1	382.1	380.0	384.4	390.9
60°	368.9	366.8	347.1	329.5	322.8	316.3	307.5	309.7	318.4
62.5°	320.7	316.3	298.7	276.8	263.6	252.5	241.6	239.3	248.1
65°	276.8	272.4	252.5	230.7	215.2	195.5	177.9	177.9	184.5
67.5°	237.2	228.4	210.8	186.7	166.9	142.8	125.2	129.6	131.7
70°	197.7	191.1	171.3	147.2	122.9	98.8	87.9	90.0	90.0
72.5°	162.5	153.7	134.0	109.9	85.6	63.7	59.3	57.1	57.1
75°	127.3	118.7	98.8	74.7	52.7	37.3	32.9	32.9	32.9
77.5°	92.3	85.6	68.1	46.1	28.5	17.6	15.3	13.2	13.2
80°	63.7	57.1	41.7	24.1	10.9	6.5	6.5	6.5	6.5
82.5°	37.3	30.8	19.7	10.9	4.4	2.1	2.1	2.1	2.1
85°	17.6	13.2	8.8	4.4	2.1	2.1	2.1	2.1	2.1
87.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	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)