

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: P582260

Luminaire Tested: **HCC6S30D010BZ-HM63040940-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582260  
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-HM63040940-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

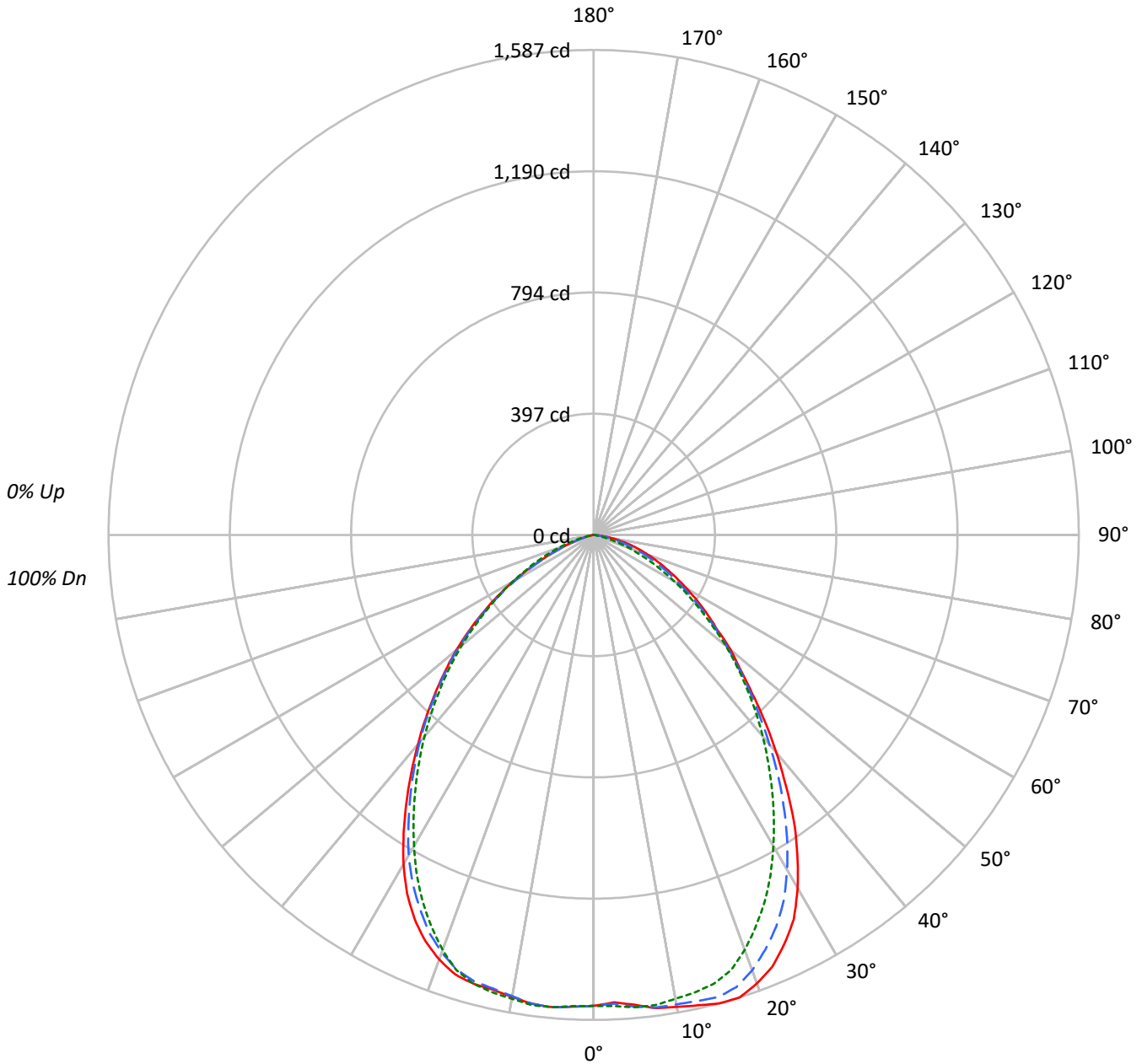
Lumens per Lamp: N/A  
Luminaire Lumens: 3111.5 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582260  
CATALOG NUMBER: HCC6S30D010BZ-HM63040940-61RWWC

### Luminous Intensity Polar Plot





TEST NUMBER: P582260

CATALOG NUMBER: HCC6S30D010BZ-HM63040940-61RWWC

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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°	84489	84489	84489
5°	84927	85384	85384
10°	87306	85792	85447
15°	90080	86289	86289
20°	91130	84305	86253
25°	89310	80091	83872
30°	84469	74429	78784
35°	76453	68067	71414
40°	66503	61573	63963
45°	56828	54882	56828
50°	49875	48084	50045
55°	43516	40515	42111
60°	38473	33660	33199
65°	34128	26540	22752
70°	30133	18753	13720
75°	25671	10633	6630
80°	19100	3315	1989
85°	10567	1321	1321



TEST NUMBER: P582260  
 CATALOG NUMBER: HCC6S30D010BZ-HM63040940-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.8	4.8
10°-20°	432.5	13.9
20°-30°	631.7	20.3
30°-40°	662.5	21.3
40°-50°	558.2	17.9
50°-60°	391.1	12.6
60°-70°	209.7	6.7
70°-80°	70.3	2.3
80°-90°	7.7	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°	1212.1	39.0
0°-40°	1874.6	60.2
0°-60°	2823.9	90.8
0°-90°	3111.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3111.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1541	1541	1541	1541	1541	
5°	1543	1550	1552	1552	1552	148
15°	1587	1566	1520	1512	1520	448
25°	1476	1414	1324	1347	1387	676
35°	1142	1084	1017	1046	1067	709
45°	733	720	708	727	733	571
55°	455	441	424	432	441	410
65°	263	240	205	169	175	263
75°	121	94	50	31	31	128
85°	17	8	2	2	2	23
90°	0	0	0	0	0	



TEST NUMBER: P582260

CATALOG NUMBER: HCC6S30D010BZ-HM63040940-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2
2.5°	1530.7	1530.7	1535.0	1539.2	1543.3	1543.3	1545.3	1547.5	1545.3
5°	1543.3	1543.3	1549.5	1551.6	1551.6	1549.5	1551.6	1551.6	1551.6
7.5°	1562.1	1557.9	1560.0	1555.8	1551.6	1549.5	1547.5	1547.5	1547.5
10°	1568.4	1564.1	1560.0	1551.6	1541.2	1535.0	1532.9	1535.0	1535.0
12.5°	1576.7	1572.6	1562.1	1545.3	1532.9	1522.4	1520.4	1524.5	1524.5
15°	1587.2	1583.0	1566.3	1539.2	1520.4	1509.9	1511.9	1516.1	1520.4
17.5°	1587.2	1578.8	1551.6	1516.1	1493.1	1482.7	1491.1	1501.6	1507.8
20°	1562.1	1553.8	1516.1	1472.3	1445.1	1438.9	1453.6	1472.3	1478.5
22.5°	1528.7	1511.9	1468.1	1415.9	1386.6	1386.6	1407.5	1430.5	1438.9
25°	1476.5	1463.9	1413.8	1353.2	1324.1	1321.9	1347.0	1378.3	1386.6
27.5°	1418.0	1401.2	1347.0	1284.4	1253.0	1255.1	1282.2	1313.6	1321.9
30°	1334.4	1313.6	1265.6	1204.9	1175.8	1184.1	1211.2	1234.2	1244.6
32.5°	1240.5	1221.7	1177.8	1121.5	1096.4	1104.7	1127.8	1148.6	1156.9
35°	1142.4	1121.5	1083.9	1033.7	1017.1	1025.4	1046.3	1063.0	1067.1
37.5°	1031.7	1017.1	989.8	950.2	937.6	948.1	964.9	975.2	979.5
40°	929.3	916.8	893.8	864.5	860.4	868.8	885.4	891.8	893.8
42.5°	829.1	818.6	804.0	783.1	783.1	791.5	806.1	810.3	812.3
45°	733.0	726.7	720.5	703.8	707.9	718.4	726.7	733.0	733.0
47.5°	649.4	651.6	643.2	630.6	634.8	645.3	651.6	657.9	657.9
50°	584.8	578.4	570.1	557.6	563.8	572.3	580.6	584.8	586.8
52.5°	509.6	507.5	501.2	486.5	490.8	495.0	503.3	509.6	511.6
55°	455.3	449.0	440.6	423.9	423.9	428.2	432.3	436.5	440.6
57.5°	403.1	396.8	384.3	365.5	363.4	363.4	361.3	365.5	371.7
60°	350.9	348.7	329.9	313.3	307.0	300.7	292.4	294.5	302.8
62.5°	304.9	300.7	284.1	263.1	250.6	240.2	229.7	227.6	236.0
65°	263.1	259.0	240.2	219.3	204.6	185.8	169.2	169.2	175.4
67.5°	225.6	217.2	200.5	177.5	158.7	135.8	119.0	123.2	125.3
70°	188.0	181.7	162.9	139.9	117.0	93.9	83.6	85.6	85.6
72.5°	154.6	146.1	127.3	104.4	81.4	60.5	56.4	54.3	54.3
75°	121.2	112.7	93.9	71.0	50.2	35.6	31.3	31.3	31.3
77.5°	87.7	81.4	64.7	43.9	27.1	16.8	14.6	12.5	12.5
80°	60.5	54.3	39.7	22.9	10.5	6.3	6.3	6.3	6.3
82.5°	35.6	29.2	18.8	10.5	4.2	2.1	2.1	2.1	2.1
85°	16.8	12.5	8.3	4.2	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)