

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: P593229

Luminaire Tested: **HCC6W30D010BZ-HM63040950-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593229
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: HCC6W30D010BZ-HM63040950-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

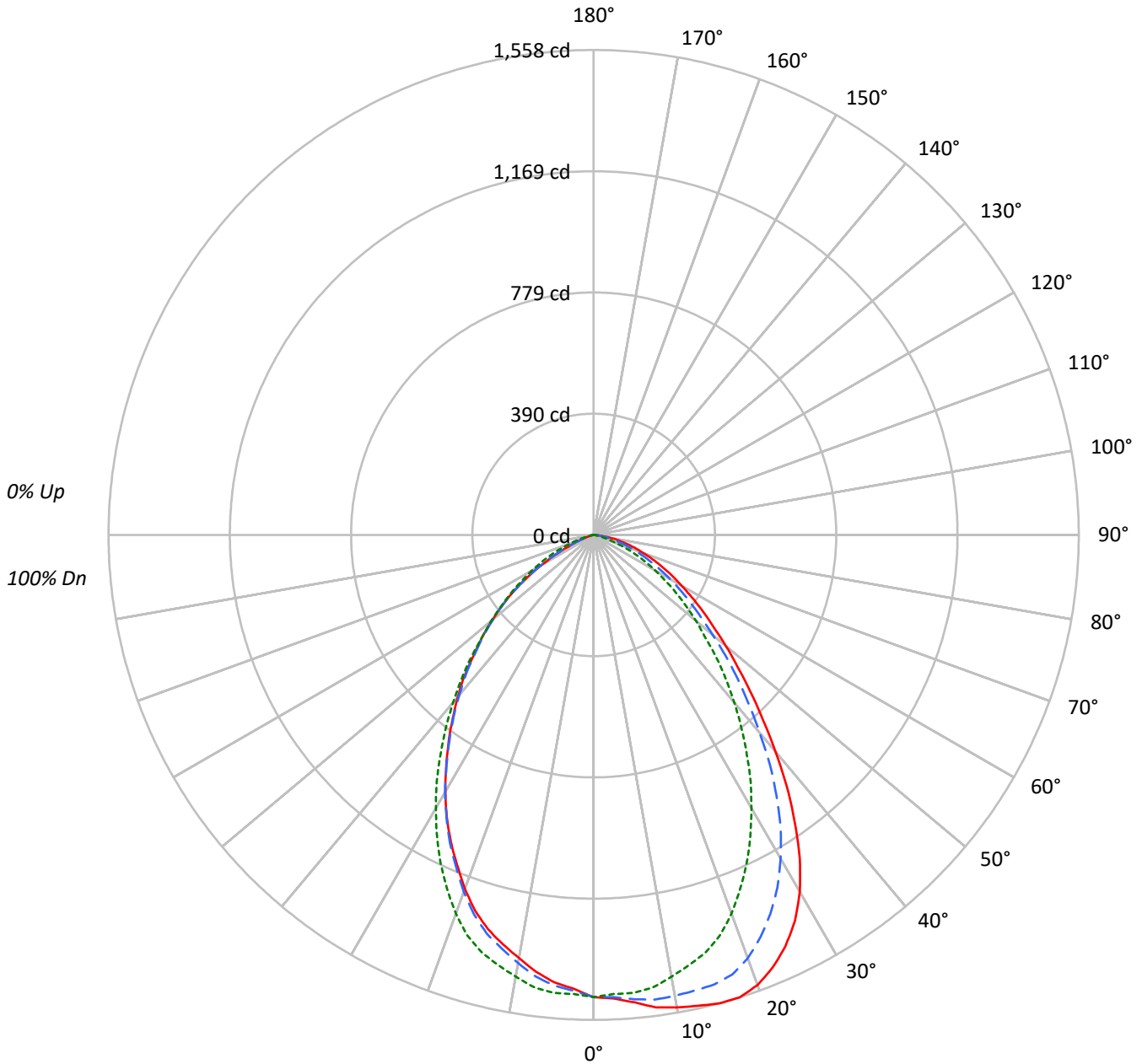
Lumens per Lamp: N/A
Luminaire Lumens: 2645.8 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): 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: P593229
CATALOG NUMBER: HCC6W30D010BZ-HM63040950-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P593229

CATALOG NUMBER: HCC6W30D010BZ-HM63040950-61WWBB

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	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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89					89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78					78			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69					69			
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61					61			
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54					54			
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49					49			
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44					44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40					40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37					37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34					34			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	81392	81392	81392
5°	82968	81246	79408
10°	85787	80203	76836
15°	88411	78809	74422
20°	89783	75531	70537
25°	88166	70353	65683
30°	83810	64111	60281
35°	75322	57300	54362
40°	65008	50208	48570
45°	55044	43222	42090
50°	47197	36502	36152
55°	40907	30737	29533
60°	35721	24954	21062
65°	31417	19237	11648
70°	27120	12710	5706
75°	23002	6185	2224
80°	17805	2620	1326
85°	10567	1321	1321



TEST NUMBER: P593229
 CATALOG NUMBER: HCC6W30D010BZ-HM63040950-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	5.3
10°-20°	396.2	15.0
20°-30°	558.0	21.1
30°-40°	570.1	21.5
40°-50°	459.6	17.4
50°-60°	308.3	11.7
60°-70°	156.0	5.9
70°-80°	49.9	1.9
80°-90°	7.7	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°	1094.3	41.4
0°-40°	1664.3	62.9
0°-60°	2432.2	91.9
0°-90°	2645.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2645.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1485	1485	1485	1485	1485	
5°	1508	1497	1476	1453	1443	145
15°	1558	1495	1389	1326	1311	440
25°	1458	1343	1163	1092	1086	667
35°	1126	1023	856	808	812	700
45°	710	654	558	539	543	552
55°	428	380	322	307	309	385
65°	242	200	148	98	90	242
75°	109	77	29	10	10	117
85°	17	8	2	2	2	22
90°	0	0	0	0	0	



TEST NUMBER: P593229

CATALOG NUMBER: HCC6W30D010BZ-HM63040950-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1484.7	1484.7	1484.7	1484.7	1484.7	1484.7	1484.7	1484.7	1484.7
2.5°	1491.0	1488.9	1486.8	1482.7	1476.4	1470.1	1465.9	1461.8	1459.6
5°	1507.7	1503.5	1497.3	1488.9	1476.4	1461.8	1453.4	1445.0	1443.0
7.5°	1530.7	1522.3	1505.6	1486.8	1465.9	1445.0	1430.5	1422.0	1415.9
10°	1541.1	1526.4	1503.5	1472.2	1440.8	1415.9	1397.1	1384.5	1380.3
12.5°	1549.5	1532.7	1499.3	1457.6	1415.9	1382.5	1361.5	1351.1	1346.9
15°	1557.8	1541.1	1495.2	1440.8	1388.6	1349.0	1326.0	1315.6	1311.3
17.5°	1557.8	1534.9	1480.5	1411.6	1349.0	1301.0	1277.9	1267.6	1265.5
20°	1539.0	1514.0	1447.1	1365.7	1294.7	1240.4	1219.6	1213.3	1209.1
22.5°	1503.5	1474.2	1399.1	1307.2	1230.0	1177.7	1154.8	1150.6	1146.4
25°	1457.6	1428.3	1342.7	1244.5	1163.1	1110.9	1092.1	1087.9	1085.9
27.5°	1399.1	1367.8	1277.9	1177.7	1090.1	1039.9	1023.3	1023.3	1021.1
30°	1324.0	1288.4	1200.8	1100.5	1012.8	966.9	954.3	954.3	952.3
32.5°	1232.0	1196.5	1117.2	1021.1	937.6	889.6	879.1	883.3	881.3
35°	1125.5	1096.3	1023.3	929.2	856.2	812.3	808.2	812.3	812.3
37.5°	1019.1	991.9	929.2	847.9	778.9	739.2	739.2	745.5	743.4
40°	908.4	887.5	829.0	758.0	701.6	674.5	670.4	676.5	678.7
42.5°	804.0	787.2	737.2	678.7	628.5	601.4	607.7	611.9	613.9
45°	710.0	693.3	653.6	593.1	557.5	538.7	538.7	545.0	542.9
47.5°	626.5	613.9	574.3	515.8	484.5	476.1	480.2	484.5	484.5
50°	553.4	534.6	497.0	451.1	428.0	417.7	421.9	423.9	423.9
52.5°	484.5	471.9	434.3	392.6	371.7	365.4	365.4	367.5	367.5
55°	428.0	413.4	380.0	338.3	321.6	313.2	307.0	304.9	309.0
57.5°	373.8	361.2	329.9	290.2	271.4	263.1	250.6	246.4	250.6
60°	325.8	315.3	284.1	246.4	227.6	210.9	196.3	188.0	192.1
62.5°	284.1	271.4	240.2	208.8	188.0	169.2	146.1	133.6	139.9
65°	242.2	231.7	200.5	169.2	148.3	125.3	98.1	89.8	89.8
67.5°	204.6	194.2	164.9	137.8	112.7	85.6	60.5	58.5	60.5
70°	169.2	158.7	133.6	106.5	79.3	52.2	35.6	35.6	35.6
72.5°	139.9	127.3	104.4	77.3	50.2	27.1	18.8	20.9	20.9
75°	108.6	98.1	77.3	52.2	29.2	12.5	10.5	10.5	10.5
77.5°	81.4	73.1	54.3	33.4	14.6	4.2	4.2	4.2	4.2
80°	56.4	48.0	35.6	20.9	8.3	4.2	4.2	4.2	4.2
82.5°	33.4	29.2	20.9	10.5	4.2	2.1	2.1	2.1	2.1
85°	16.8	14.6	8.3	4.2	2.1	2.1	2.1	2.1	2.1
87.5°	4.2	4.2	2.1	2.1	0.0	2.1	2.1	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)