

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: P593231

Luminaire Tested: **HCC6S30D010BZ-HM63040950-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S30D010BZ-HM63040950-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

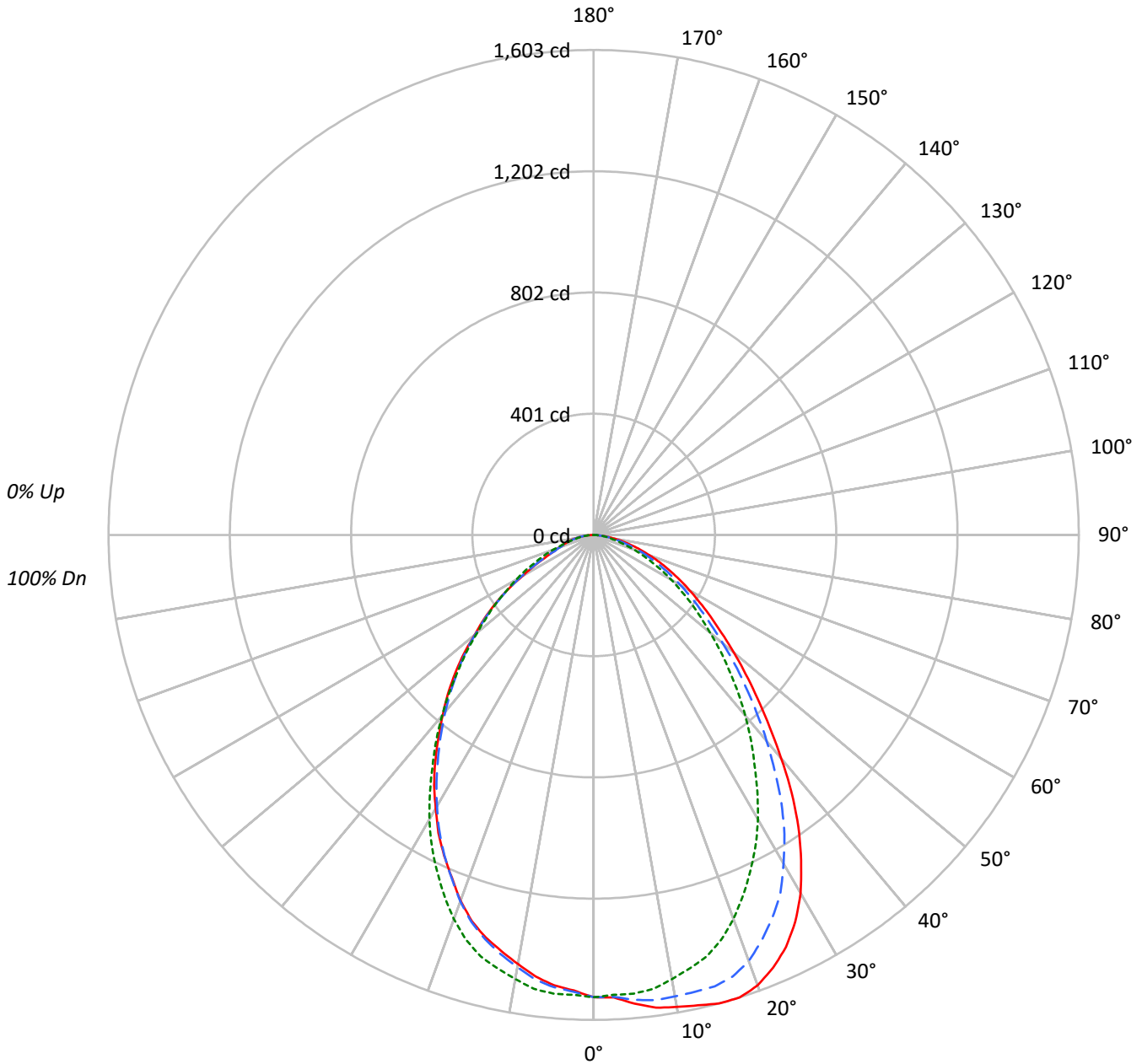
Lumens per Lamp: N/A
Luminaire Lumens: 2992.5 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593231
CATALOG NUMBER: HCC6S30D010BZ-HM63040950-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P593231

CATALOG NUMBER: HCC6S30D010BZ-HM63040950-61WWWB

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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76								
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66								
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58								
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	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	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	83771	83771	83771
5°	85582	83744	82253
10°	88203	82970	80181
15°	90988	81868	78190
20°	92437	78792	75017
25°	90913	74121	70710
30°	86558	68719	66067
35°	78936	62024	61047
40°	69015	55726	55425
45°	59394	49036	50176
50°	51623	42728	43615
55°	45093	37514	37915
60°	40052	32497	29745
65°	35737	27344	22752
70°	31448	22408	19074
75°	26963	17686	18131
80°	21720	15153	17805
85°	14404	13146	15788



TEST NUMBER: P593231
 CATALOG NUMBER: HCC6S30D010BZ-HM63040950-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.7	4.8
10°-20°	411.9	13.8
20°-30°	588.0	19.6
30°-40°	615.9	20.6
40°-50°	518.5	17.3
50°-60°	369.1	12.3
60°-70°	216.0	7.2
70°-80°	102.2	3.4
80°-90°	26.3	0.9
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°	1144.5	38.2
0°-40°	1760.4	58.8
0°-60°	2648.0	88.5
0°-90°	2992.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2992.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1528	1528	1528	1528	1528	
5°	1555	1543	1522	1501	1495	149
15°	1603	1545	1442	1384	1378	453
25°	1503	1396	1225	1167	1169	688
35°	1180	1081	927	896	912	733
45°	766	710	632	635	647	595
55°	472	432	392	392	397	425
65°	276	244	211	177	175	275
75°	127	106	84	81	86	137
85°	23	19	21	25	25	30
90°	0	0	0	0	0	

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



TEST NUMBER: P593231

CATALOG NUMBER: HCC6S30D010BZ-HM63040950-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1528.1	1528.1	1528.1	1528.1	1528.1	1528.1	1528.1	1528.1	1528.1
2.5°	1530.1	1530.1	1528.1	1526.0	1521.8	1515.5	1511.3	1507.2	1507.2
5°	1555.2	1551.1	1542.6	1532.3	1521.8	1509.3	1500.9	1494.7	1494.7
7.5°	1576.0	1567.7	1551.1	1532.3	1513.5	1496.7	1482.1	1473.8	1471.7
10°	1584.5	1574.0	1548.9	1519.7	1490.5	1467.5	1450.8	1440.4	1440.4
12.5°	1592.8	1580.2	1546.9	1505.0	1467.5	1436.2	1419.5	1411.1	1409.1
15°	1603.2	1586.5	1544.7	1492.6	1442.5	1406.9	1384.0	1377.7	1377.7
17.5°	1603.2	1582.3	1530.1	1465.4	1402.8	1363.2	1342.3	1336.0	1338.1
20°	1584.5	1561.4	1498.9	1419.5	1350.6	1308.9	1288.0	1283.8	1285.9
22.5°	1548.9	1521.8	1450.8	1365.2	1290.1	1246.2	1227.4	1227.4	1225.4
25°	1503.0	1473.8	1396.5	1306.8	1225.4	1181.5	1166.9	1169.0	1169.0
27.5°	1442.5	1413.2	1336.0	1240.0	1158.6	1114.7	1104.3	1108.5	1110.5
30°	1367.4	1336.0	1254.6	1160.7	1085.6	1041.7	1035.4	1041.7	1043.7
32.5°	1275.4	1252.5	1173.2	1077.1	1006.1	968.6	966.5	972.7	981.2
35°	1179.5	1154.4	1081.3	993.6	926.8	895.6	895.6	906.0	912.2
37.5°	1075.1	1050.0	983.2	910.2	853.8	824.6	828.7	839.2	841.2
40°	964.4	945.6	889.3	826.6	778.7	755.7	761.9	772.4	774.5
42.5°	860.0	843.4	797.5	741.1	705.6	688.9	697.2	709.7	713.9
45°	766.1	747.3	709.7	661.8	632.5	624.1	634.6	642.9	647.2
47.5°	680.6	663.8	632.5	588.7	567.7	563.6	574.0	578.2	582.4
50°	605.3	588.7	557.4	517.7	501.0	501.0	509.4	513.5	511.4
52.5°	532.3	517.7	488.4	455.0	444.7	444.7	450.9	453.0	457.2
55°	471.8	457.2	432.1	400.8	392.5	388.3	392.5	392.5	396.7
57.5°	415.4	402.8	379.9	350.8	340.3	336.1	334.0	332.0	336.1
60°	365.3	354.9	329.8	304.7	296.4	286.0	277.6	269.3	271.3
62.5°	319.4	308.9	286.0	261.0	252.5	237.9	227.6	217.1	221.3
65°	275.5	265.1	244.2	223.4	210.8	194.2	177.4	171.2	175.4
67.5°	235.9	227.6	206.6	185.8	175.4	156.6	139.8	139.8	142.0
70°	196.2	187.9	171.2	152.4	139.8	123.2	116.9	119.0	119.0
72.5°	160.8	154.5	137.8	121.0	108.6	98.1	98.1	100.2	102.3
75°	127.3	123.2	106.4	91.8	83.5	77.3	81.4	83.5	85.6
77.5°	98.1	91.8	79.3	68.8	62.7	64.7	68.8	71.0	73.0
80°	68.8	66.8	56.4	50.1	48.0	50.1	54.2	56.4	56.4
82.5°	43.9	41.7	35.4	33.4	33.4	35.4	39.7	39.7	39.7
85°	22.9	20.9	18.8	18.8	20.9	22.9	25.1	25.1	25.1
87.5°	8.3	6.3	8.3	8.3	10.5	10.5	10.5	10.5	10.5
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)