

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: P582143

Luminaire Tested: **HCC6W30D010BZ-HM63040827-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582143
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: HCC6W30D010BZ-HM63040827-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

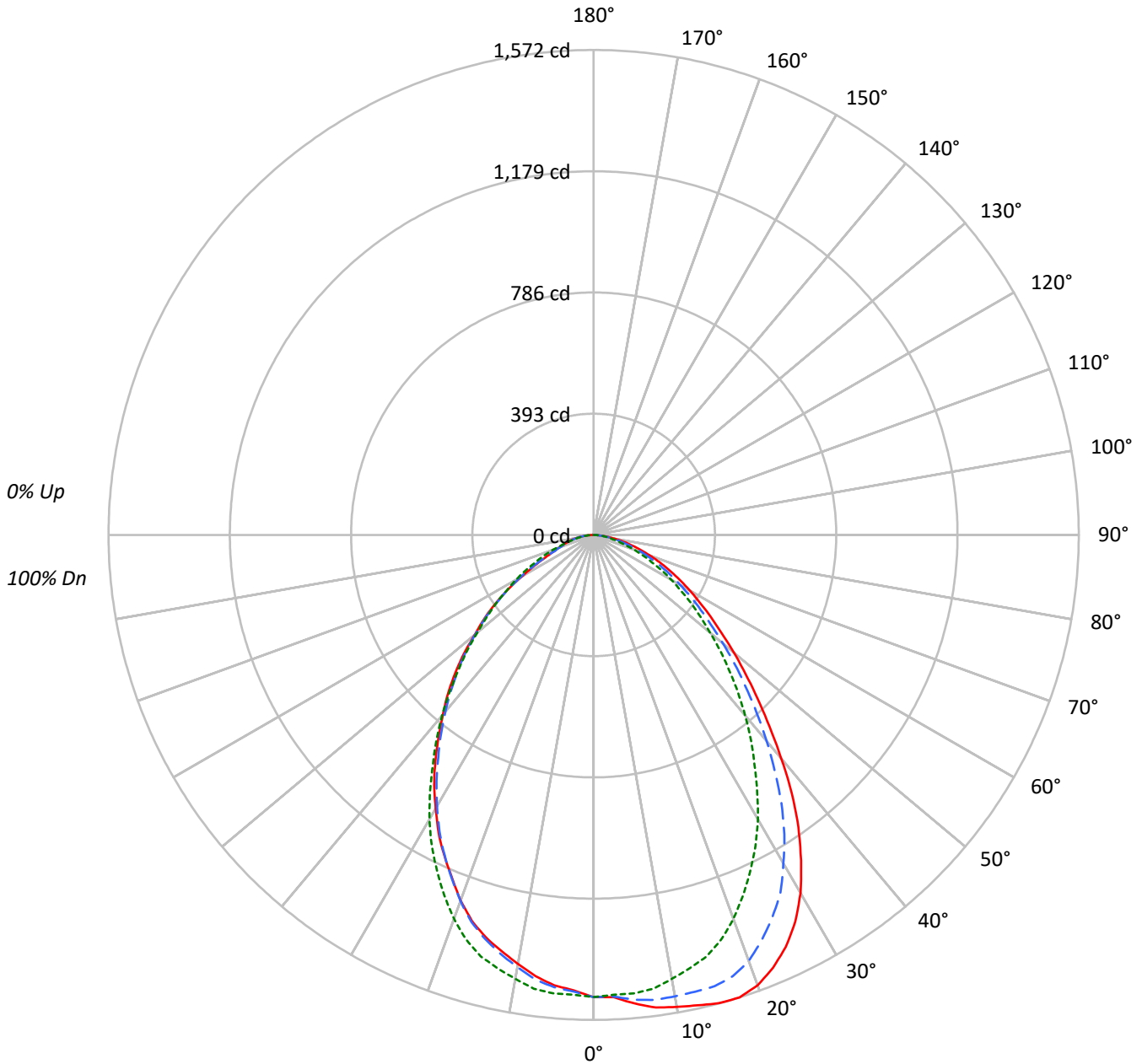
Lumens per Lamp: N/A
Luminaire Lumens: 2933.6 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582143
CATALOG NUMBER: HCC6W30D010BZ-HM63040827-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582143

CATALOG NUMBER: HCC6W30D010BZ-HM63040827-61WWWB

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	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	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76					76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66					66			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58					58			
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52					52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31					31			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	82121	82121	82121
5°	83904	82093	80629
10°	86466	81339	78606
15°	89195	80256	76658
20°	90617	77246	73541
25°	89122	72657	69319
30°	84855	67365	64776
35°	77383	60806	59843
40°	67662	54624	54330
45°	58231	48075	49191
50°	50608	41892	42762
55°	44204	36778	37160
60°	39262	31861	29164
65°	35036	26799	22298
70°	30839	21975	18689
75°	26434	17326	17771
80°	21310	14869	17458
85°	14152	12894	15473



TEST NUMBER: P582143
 CATALOG NUMBER: HCC6W30D010BZ-HM63040827-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.8	4.8
10°-20°	403.8	13.8
20°-30°	576.4	19.6
30°-40°	603.8	20.6
40°-50°	508.3	17.3
50°-60°	361.8	12.3
60°-70°	211.8	7.2
70°-80°	100.2	3.4
80°-90°	25.8	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°	1122.0	38.2
0°-40°	1725.7	58.8
0°-60°	2595.9	88.5
0°-90°	2933.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2933.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1498	1498	1498	1498	1498	
5°	1525	1512	1492	1471	1465	146
15°	1572	1514	1414	1357	1351	444
25°	1473	1369	1201	1144	1146	674
35°	1156	1060	909	878	894	718
45°	751	696	620	622	634	583
55°	462	424	385	385	389	417
65°	270	240	207	174	172	269
75°	125	104	82	80	84	134
85°	22	18	20	25	25	29
90°	0	0	0	0	0	

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



TEST NUMBER: P582143

CATALOG NUMBER: HCC6W30D010BZ-HM63040827-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1500.0	1500.0	1498.0	1496.0	1491.8	1485.8	1481.6	1477.6	1477.6
5°	1524.7	1520.5	1512.3	1502.1	1491.8	1479.6	1471.4	1465.2	1465.2
7.5°	1545.1	1536.9	1520.5	1502.1	1483.6	1467.3	1453.0	1444.8	1442.7
10°	1553.3	1543.0	1518.5	1489.8	1461.2	1438.7	1422.3	1412.1	1412.1
12.5°	1561.4	1549.1	1516.5	1475.5	1438.7	1408.0	1391.6	1383.4	1381.4
15°	1571.6	1555.3	1514.4	1463.2	1414.1	1379.4	1356.8	1350.7	1350.7
17.5°	1571.6	1551.2	1500.0	1436.5	1375.2	1336.3	1315.9	1309.7	1311.8
20°	1553.3	1530.7	1469.4	1391.6	1324.1	1283.2	1262.7	1258.6	1260.6
22.5°	1518.5	1491.8	1422.3	1338.3	1264.7	1221.7	1203.3	1203.3	1201.2
25°	1473.4	1444.8	1369.1	1281.0	1201.2	1158.3	1143.9	1146.0	1146.0
27.5°	1414.1	1385.4	1309.7	1215.6	1135.7	1092.8	1082.6	1086.6	1088.8
30°	1340.5	1309.7	1229.9	1137.9	1064.2	1021.2	1015.0	1021.2	1023.3
32.5°	1250.4	1227.9	1150.1	1056.0	986.4	949.5	947.5	953.7	961.8
35°	1156.3	1131.7	1060.1	974.1	908.6	878.0	878.0	888.2	894.2
37.5°	1053.9	1029.3	963.9	892.2	837.1	808.4	812.4	822.7	824.7
40°	945.5	927.1	871.8	810.4	763.3	740.9	746.9	757.2	759.2
42.5°	843.1	826.7	781.8	726.5	691.6	675.4	683.6	695.8	699.8
45°	751.1	732.7	695.8	648.7	620.1	611.9	622.1	630.3	634.5
47.5°	667.1	650.7	620.1	577.1	556.7	552.5	562.8	566.9	571.0
50°	593.4	577.1	546.3	507.5	491.2	491.2	499.4	503.4	501.4
52.5°	521.9	507.5	478.8	446.1	435.9	435.9	442.1	444.1	448.1
55°	462.5	448.1	423.6	393.0	384.8	380.6	384.8	384.8	388.8
57.5°	407.2	395.0	372.4	343.9	333.5	329.5	327.5	325.4	329.5
60°	358.1	347.9	323.3	298.8	290.6	280.4	272.2	264.0	266.0
62.5°	313.1	302.8	280.4	255.8	247.7	233.3	223.1	212.8	216.9
65°	270.1	259.9	239.5	219.0	206.6	190.4	174.0	167.8	171.9
67.5°	231.3	223.1	202.6	182.2	171.9	153.5	137.1	137.1	139.1
70°	192.4	184.2	167.8	149.3	137.1	120.7	114.6	116.6	116.6
72.5°	157.5	151.5	135.1	118.7	106.4	96.2	96.2	98.2	100.2
75°	124.8	120.7	104.4	90.0	81.8	75.7	79.8	81.8	83.9
77.5°	96.2	90.0	77.8	67.5	61.4	63.5	67.5	69.6	71.6
80°	67.5	65.5	55.3	49.1	47.1	49.1	53.1	55.3	55.3
82.5°	42.9	40.9	34.8	32.7	32.7	34.8	38.9	38.9	38.9
85°	22.5	20.5	18.4	18.4	20.5	22.5	24.6	24.6	24.6
87.5°	8.2	6.2	8.2	8.2	10.2	10.2	10.2	10.2	10.2
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)