

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: P582250

Luminaire Tested: **HCC6W30D010SL-HM63040935-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W30D010SL-HM63040935-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

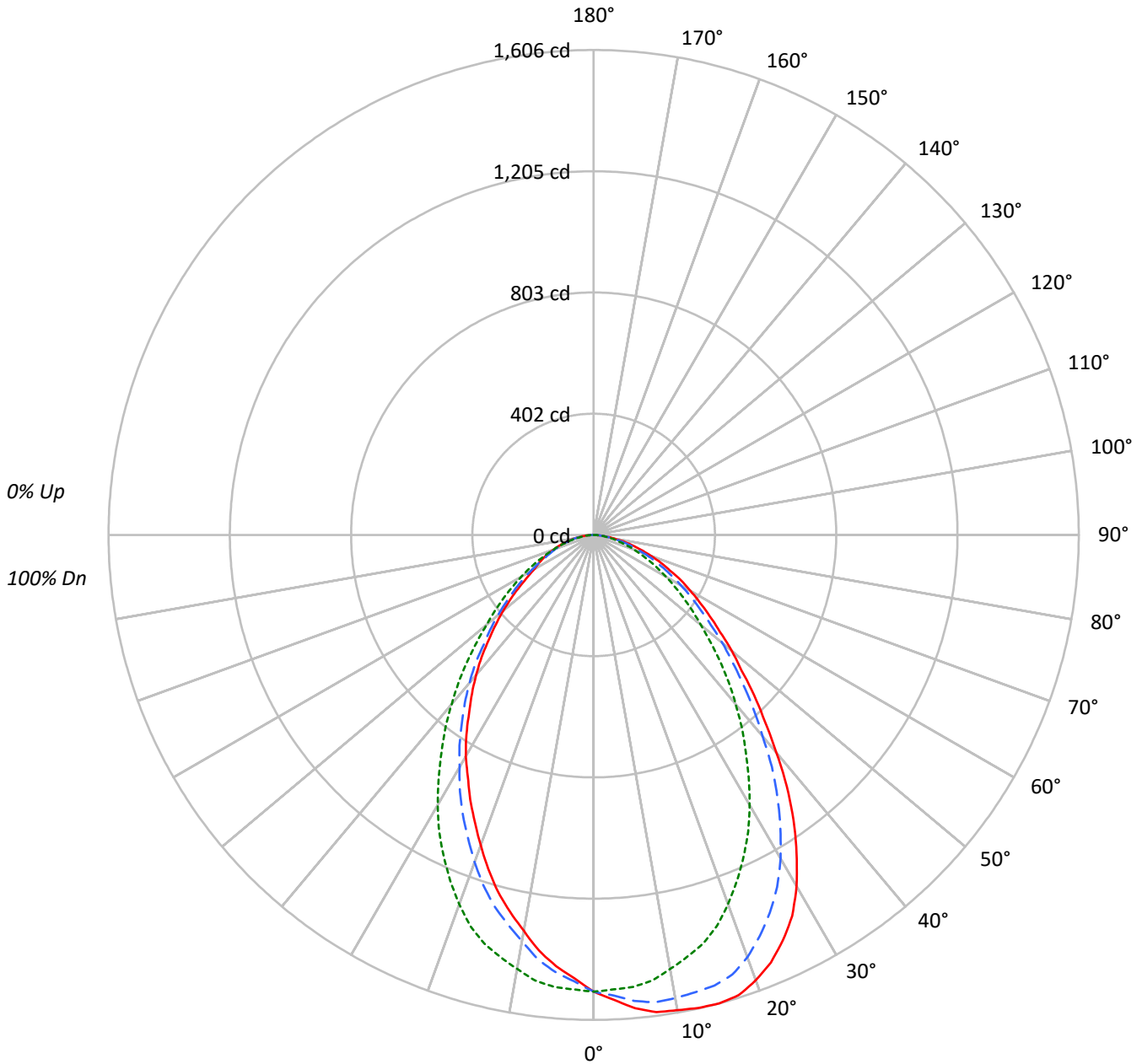
Lumens per Lamp: N/A
Luminaire Lumens: 2817.5 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): 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: P582250
CATALOG NUMBER: HCC6W30D010SL-HM63040935-61WWW

Luminous Intensity Polar Plot





TEST NUMBER: P582250

CATALOG NUMBER: HCC6W30D010SL-HM63040935-61WWW

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76					76			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66					66			
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58					58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51					51			
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	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	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	82916	82916	82916
5°	86595	82676	78863
10°	88954	81250	74108
15°	91158	79484	69439
20°	91568	75892	63776
25°	89642	71048	58491
30°	85051	65339	53603
35°	77249	58718	48091
40°	67305	52305	43267
45°	58239	45764	38035
50°	50873	39419	33329
55°	44940	34637	28606
60°	40402	30348	24768
65°	36178	26410	24023
70°	32297	22504	22504
75°	28022	18957	21139
80°	22478	16069	19289
85°	15347	14089	16668



TEST NUMBER: P582250
 CATALOG NUMBER: HCC6W30D010SL-HM63040935-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.2	5.0
10°-20°	395.2	14.0
20°-30°	550.7	19.5
30°-40°	567.4	20.1
40°-50°	470.3	16.7
50°-60°	338.0	12.0
60°-70°	215.2	7.6
70°-80°	110.5	3.9
80°-90°	28.1	1.0
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°	1088.0	38.6
0°-40°	1655.4	58.8
0°-60°	2463.7	87.4
0°-90°	2817.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2817.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1512	1512	1512	1512	1512	
5°	1574	1549	1502	1454	1433	151
15°	1606	1545	1400	1272	1224	453
25°	1482	1380	1175	1024	967	679
35°	1154	1061	877	761	719	717
45°	751	698	590	515	491	581
55°	470	432	362	322	299	424
65°	279	248	204	177	185	279
75°	132	114	90	94	100	141
85°	24	22	22	24	26	31
90°	0	0	0	0	0	

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



TEST NUMBER: P582250

CATALOG NUMBER: HCC6W30D010SL-HM63040935-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1541.1	1534.9	1526.8	1518.7	1506.5	1492.2	1479.9	1475.9	1469.8
5°	1573.6	1565.4	1549.1	1528.8	1502.4	1475.9	1453.6	1439.3	1433.1
7.5°	1594.0	1583.7	1561.4	1526.8	1488.2	1449.4	1416.8	1396.5	1388.4
10°	1598.0	1587.9	1557.4	1510.5	1459.6	1406.7	1365.9	1341.5	1331.3
12.5°	1604.2	1589.9	1551.2	1496.2	1431.1	1370.1	1319.2	1288.6	1278.4
15°	1606.2	1589.9	1545.1	1477.9	1400.5	1327.3	1272.3	1235.7	1223.5
17.5°	1598.0	1579.7	1526.8	1445.3	1357.8	1280.4	1215.3	1176.6	1160.3
20°	1569.6	1549.1	1488.2	1396.5	1300.9	1219.4	1152.3	1111.5	1093.2
22.5°	1532.9	1506.5	1437.3	1339.5	1239.8	1154.3	1087.1	1046.3	1028.0
25°	1482.0	1457.6	1380.2	1276.4	1174.6	1085.1	1024.0	981.2	967.0
27.5°	1423.0	1394.5	1315.0	1211.2	1107.4	1017.9	958.8	920.2	901.9
30°	1343.6	1317.1	1237.7	1133.9	1032.2	948.7	887.6	855.0	846.8
32.5°	1249.9	1227.5	1150.2	1052.5	954.8	877.4	826.5	791.9	783.8
35°	1154.3	1127.8	1060.6	969.0	877.4	808.2	761.3	730.9	718.6
37.5°	1050.5	1026.0	969.0	887.6	806.1	741.0	700.3	673.8	661.6
40°	940.5	922.2	869.3	804.1	730.9	673.8	639.2	616.9	604.6
42.5°	838.7	820.4	783.8	722.7	661.6	610.7	580.2	559.8	549.7
45°	751.2	734.9	698.3	645.3	590.3	547.7	515.1	500.8	490.6
47.5°	663.7	655.5	622.9	574.0	523.2	486.5	464.2	447.9	439.7
50°	596.5	586.3	555.7	504.8	462.2	433.6	413.3	399.0	390.8
52.5°	527.2	517.1	488.6	445.9	411.3	384.8	364.4	352.2	344.1
55°	470.2	462.2	431.6	392.8	362.4	339.9	321.6	307.4	299.3
57.5°	417.3	409.1	380.7	344.1	317.6	297.2	281.0	268.7	258.5
60°	368.5	362.4	333.9	299.3	276.8	256.5	242.2	232.1	225.9
62.5°	325.7	313.5	289.0	258.5	238.2	221.9	207.6	201.5	205.6
65°	278.9	272.8	248.4	221.9	203.6	187.3	177.2	181.2	185.2
67.5°	240.2	232.1	211.8	187.3	171.0	158.7	152.7	160.9	162.9
70°	201.5	193.5	175.0	154.7	140.4	132.3	132.3	138.4	140.4
72.5°	164.9	158.7	142.4	126.3	116.0	110.0	114.0	118.1	120.1
75°	132.3	126.3	114.0	99.8	89.5	89.5	93.7	97.7	99.8
77.5°	101.8	97.7	85.5	75.3	71.2	71.2	75.3	77.4	79.4
80°	71.2	67.2	61.1	54.9	50.9	54.9	59.1	59.1	61.1
82.5°	46.8	44.8	40.7	36.6	36.6	38.6	40.7	42.8	42.8
85°	24.4	24.4	22.4	20.3	22.4	24.4	24.4	26.5	26.5
87.5°	8.1	8.1	8.1	8.1	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)