

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: P581584

Luminaire Tested: **HCC6W10D010MW-HM60525830-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581584
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: HCC6W10D010MW-HM60525830-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

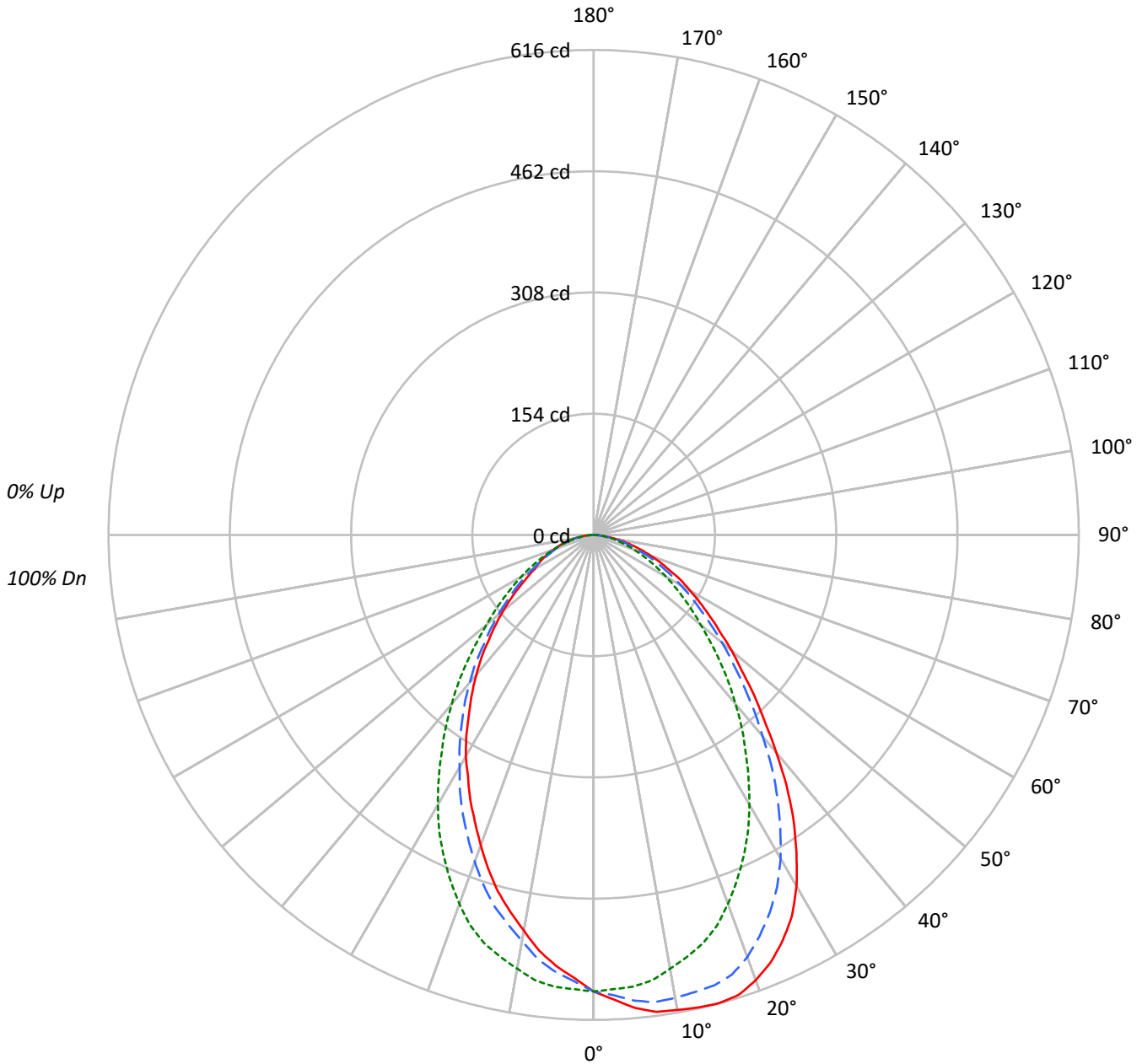
Lumens per Lamp: N/A
Luminaire Lumens: 1080.1 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P581584
CATALOG NUMBER: HCC6W10D010MW-HM60525830-61WWW

Luminous Intensity Polar Plot





TEST NUMBER: P581584

CATALOG NUMBER: HCC6W10D010MW-HM60525830-61WWW

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	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	100	100	100	100		
	1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87	87	87	87	87	87		
	2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76	76	76	76	76	76		
	3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66	66	66	66	66	66		
	4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58	58	58		
	5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51	51	51	51	51	51		
	6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46	46	46	46	46	46		
	7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42	42	42	42		
	8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38	38	38	38	38	38		
	9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34	34	34	34	34	34		
	10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32	32	32	32	32	32		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	31785	31785	31785
5°	33194	31697	30233
10°	34101	31145	28412
15°	34943	30471	26618
20°	35102	29088	24450
25°	34369	27237	22423
30°	32606	25042	20554
35°	29613	22506	18437
40°	25798	20052	16588
45°	22328	17544	14575
50°	19505	15113	12784
55°	17232	13276	10963
60°	15492	11644	9495
65°	13867	10118	9210
70°	12390	8639	8639
75°	10739	7265	8112
80°	8619	6156	7387
85°	5913	5409	6416



TEST NUMBER: P581584
 CATALOG NUMBER: HCC6W10D010MW-HM60525830-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	5.0
10°-20°	151.5	14.0
20°-30°	211.1	19.5
30°-40°	217.5	20.1
40°-50°	180.3	16.7
50°-60°	129.6	12.0
60°-70°	82.5	7.6
70°-80°	42.4	3.9
80°-90°	10.8	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°	417.1	38.6
0°-40°	634.6	58.8
0°-60°	944.5	87.4
0°-90°	1080.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1080.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	580	580	580	580	580	
5°	603	594	576	557	549	58
15°	616	592	537	488	469	174
25°	568	529	450	393	371	260
35°	442	407	336	292	276	275
45°	288	268	226	197	188	223
55°	180	166	139	123	115	162
65°	107	95	78	68	71	107
75°	51	44	34	36	38	54
85°	9	9	9	9	10	12
90°	0	0	0	0	0	

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



TEST NUMBER: P581584

CATALOG NUMBER: HCC6W10D010MW-HM60525830-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	579.8	579.8	579.8	579.8	579.8	579.8	579.8	579.8	579.8
2.5°	590.8	588.4	585.2	582.2	577.5	572.0	567.4	565.8	563.4
5°	603.2	600.1	593.8	586.0	576.0	565.8	557.2	551.7	549.4
7.5°	611.1	607.2	598.6	585.2	570.4	555.7	543.1	535.3	532.3
10°	612.6	608.7	597.0	579.0	559.5	539.3	523.7	514.3	510.4
12.5°	614.9	609.5	594.6	573.6	548.6	525.2	505.7	494.0	490.0
15°	615.7	609.5	592.4	566.6	536.9	508.8	487.8	473.7	469.0
17.5°	612.6	605.6	585.2	554.1	520.5	490.8	465.9	451.1	444.9
20°	601.7	593.8	570.4	535.3	498.6	467.4	441.7	426.1	419.1
22.5°	587.6	577.5	550.9	513.5	475.2	442.5	416.7	401.2	394.0
25°	568.2	558.8	529.1	489.4	450.3	415.9	392.6	376.2	370.7
27.5°	545.5	534.5	504.2	464.3	424.5	390.2	367.6	352.7	345.7
30°	515.1	504.9	474.5	434.7	395.6	363.7	340.3	327.7	324.7
32.5°	479.2	470.6	440.9	403.4	366.0	336.3	316.8	303.6	300.4
35°	442.5	432.3	406.6	371.5	336.3	309.8	291.8	280.2	275.5
37.5°	402.7	393.4	371.5	340.3	309.0	284.0	268.5	258.3	253.7
40°	360.5	353.5	333.3	308.2	280.2	258.3	245.1	236.5	231.8
42.5°	321.5	314.5	300.4	277.0	253.7	234.1	222.4	214.6	210.7
45°	288.0	281.8	267.7	247.3	226.3	209.9	197.4	192.0	188.0
47.5°	254.4	251.3	238.9	220.1	200.6	186.6	178.0	171.7	168.6
50°	228.7	224.7	213.0	193.6	177.2	166.2	158.4	152.9	149.9
52.5°	202.2	198.2	187.3	170.9	157.7	147.5	139.7	135.0	131.9
55°	180.3	177.2	165.5	150.7	138.9	130.3	123.3	117.8	114.7
57.5°	160.0	156.9	145.9	131.9	121.7	114.0	107.7	103.0	99.2
60°	141.3	138.9	128.0	114.7	106.2	98.4	92.8	89.0	86.6
62.5°	124.9	120.2	110.8	99.2	91.4	85.0	79.6	77.3	78.8
65°	106.9	104.6	95.2	85.0	78.0	71.8	67.9	69.5	71.0
67.5°	92.0	89.0	81.2	71.8	65.5	60.9	58.5	61.7	62.5
70°	77.3	74.1	67.1	59.3	53.9	50.7	50.7	53.1	53.9
72.5°	63.2	60.9	54.7	48.3	44.5	42.1	43.7	45.3	46.1
75°	50.7	48.3	43.7	38.3	34.3	34.3	35.9	37.5	38.3
77.5°	39.1	37.5	32.8	28.9	27.3	27.3	28.9	29.7	30.5
80°	27.3	25.8	23.4	21.1	19.5	21.1	22.6	22.6	23.4
82.5°	18.0	17.2	15.6	14.0	14.0	14.8	15.6	16.4	16.4
85°	9.4	9.4	8.6	7.8	8.6	9.4	9.4	10.2	10.2
87.5°	3.2	3.2	3.2	3.2	3.8	3.8	3.8	3.8	3.8
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)