

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: P581673

Luminaire Tested: **HCC6W10D010SL-HM60525935-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581673
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: HCC6W10D010SL-HM60525935-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

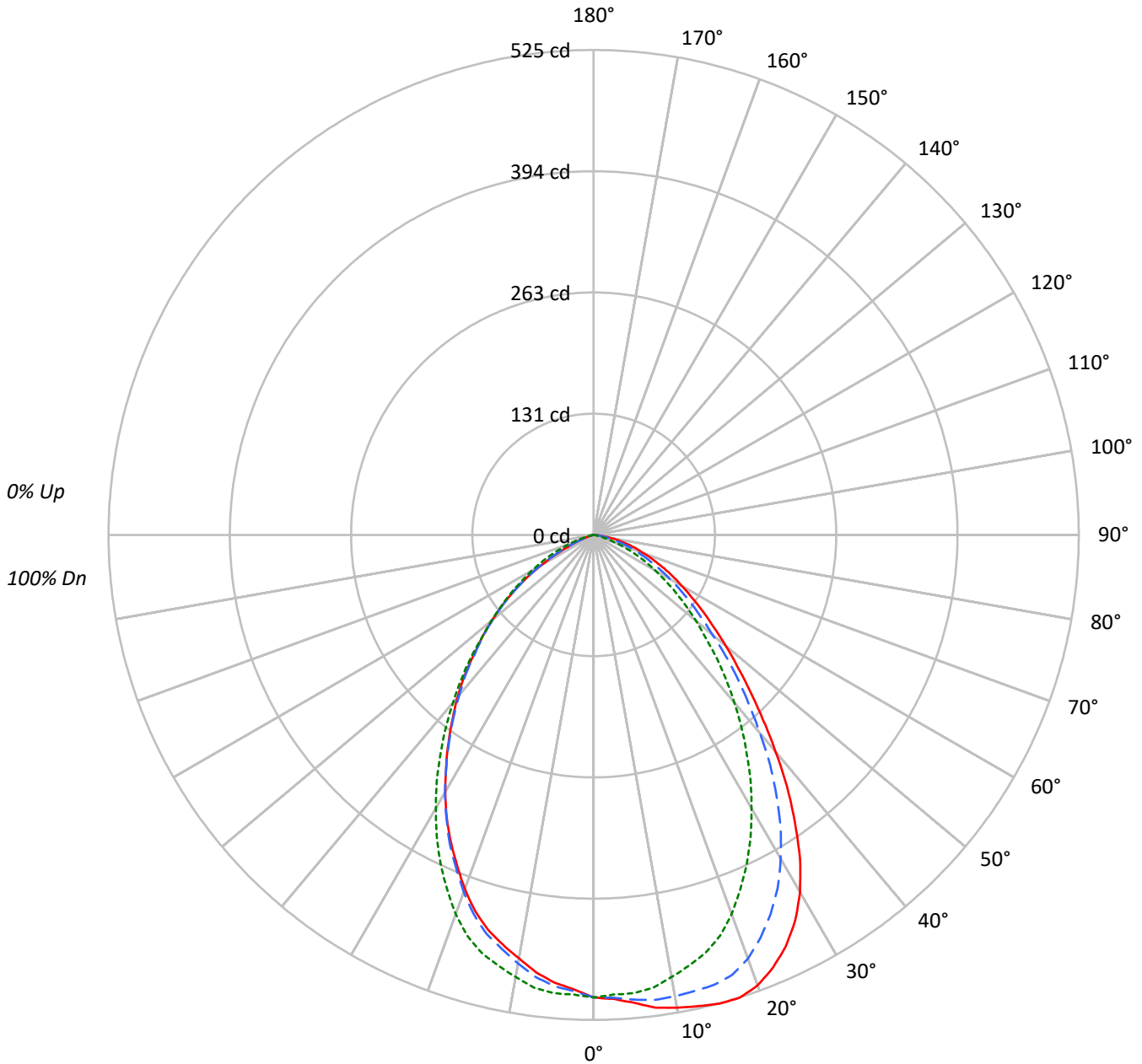
Lumens per Lamp: N/A
Luminaire Lumens: 892.3 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P581673
CATALOG NUMBER: HCC6W10D010SL-HM60525935-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581673

CATALOG NUMBER: HCC6W10D010SL-HM60525935-61WWBB

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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	27448	27448	27448
5°	27983	27405	26777
10°	28930	27054	25912
15°	29819	26578	25102
20°	30278	25471	23785
25°	29736	23723	22150
30°	28264	21617	20326
35°	25404	19327	18330
40°	21920	16932	16381
45°	18560	14575	14203
50°	15923	12307	12196
55°	13792	10360	9969
60°	12049	8409	7105
65°	10598	6486	3930
70°	9152	4280	1923
75°	7773	2076	741
80°	5998	884	442
85°	3585	440	440



TEST NUMBER: P581673
 CATALOG NUMBER: HCC6W10D010SL-HM60525935-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	5.3
10°-20°	133.6	15.0
20°-30°	188.2	21.1
30°-40°	192.3	21.5
40°-50°	155.0	17.4
50°-60°	104.0	11.7
60°-70°	52.6	5.9
70°-80°	16.8	1.9
80°-90°	2.6	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°	369.1	41.4
0°-40°	561.3	62.9
0°-60°	820.3	91.9
0°-90°	892.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	892.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	501	501	501	501	501	
5°	508	505	498	490	487	49
15°	525	504	468	447	442	148
25°	492	453	392	368	366	225
35°	380	345	289	273	274	236
45°	239	220	188	182	183	186
55°	144	128	108	104	104	130
65°	82	68	50	33	30	82
75°	37	26	10	4	4	39
85°	6	3	1	1	1	8
90°	0	0	0	0	0	

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



TEST NUMBER: P581673

CATALOG NUMBER: HCC6W10D010SL-HM60525935-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	500.7	500.7	500.7	500.7	500.7	500.7	500.7	500.7	500.7
2.5°	502.8	502.2	501.5	500.0	498.0	495.8	494.3	493.0	492.3
5°	508.5	507.0	505.0	502.2	498.0	493.0	490.2	487.3	486.6
7.5°	516.2	513.4	507.8	501.5	494.3	487.3	482.5	479.6	477.5
10°	519.7	514.8	507.0	496.5	486.0	477.5	471.1	466.9	465.5
12.5°	522.5	517.0	505.7	491.6	477.5	466.3	459.1	455.6	454.3
15°	525.4	519.7	504.3	486.0	468.3	455.0	447.3	443.7	442.3
17.5°	525.4	517.7	499.3	476.1	455.0	438.8	431.1	427.4	426.8
20°	519.0	510.6	488.0	460.6	436.6	418.4	411.3	409.2	407.7
22.5°	507.0	497.2	471.8	440.9	414.8	397.2	389.4	388.0	386.7
25°	491.6	481.7	452.8	419.7	392.2	374.7	368.4	366.9	366.2
27.5°	471.8	461.3	431.1	397.2	367.7	350.7	345.1	345.1	344.4
30°	446.5	434.6	404.9	371.2	341.5	326.1	321.8	321.8	321.1
32.5°	415.6	403.6	376.7	344.4	316.2	300.0	296.5	297.9	297.2
35°	379.6	369.7	345.1	313.5	288.8	273.9	272.6	273.9	273.9
37.5°	343.7	334.5	313.5	285.9	262.7	249.3	249.3	251.4	250.7
40°	306.3	299.3	279.6	255.6	236.6	227.5	226.1	228.2	228.9
42.5°	271.1	265.5	248.6	228.9	212.0	202.9	204.9	206.4	207.0
45°	239.4	233.9	220.4	200.0	188.0	181.7	181.7	183.8	183.2
47.5°	211.2	207.0	193.7	174.0	163.3	160.5	162.0	163.3	163.3
50°	186.7	180.3	167.6	152.1	144.3	140.8	142.3	143.0	143.0
52.5°	163.3	159.2	146.5	132.4	125.3	123.3	123.3	124.0	124.0
55°	144.3	139.5	128.1	114.1	108.4	105.6	103.6	102.8	104.3
57.5°	126.1	121.8	111.3	97.9	91.6	88.7	84.6	83.1	84.6
60°	109.9	106.3	95.8	83.1	76.7	71.1	66.2	63.4	64.8
62.5°	95.8	91.6	80.9	70.4	63.4	57.1	49.4	45.1	47.2
65°	81.7	78.2	67.6	57.1	50.0	42.2	33.1	30.3	30.3
67.5°	69.1	65.5	55.6	46.5	38.0	28.9	20.4	19.7	20.4
70°	57.1	53.5	45.1	35.9	26.7	17.7	12.0	12.0	12.0
72.5°	47.2	43.0	35.2	26.0	16.9	9.2	6.3	7.0	7.0
75°	36.7	33.1	26.0	17.7	9.8	4.2	3.5	3.5	3.5
77.5°	27.5	24.7	18.3	11.3	5.0	1.4	1.4	1.4	1.4
80°	19.0	16.2	12.0	7.0	2.8	1.4	1.4	1.4	1.4
82.5°	11.3	9.8	7.0	3.5	1.4	0.7	0.7	0.7	0.7
85°	5.7	5.0	2.8	1.4	0.7	0.7	0.7	0.7	0.7
87.5°	1.4	1.4	0.7	0.7	0.0	0.7	0.7	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)