

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: P581666

Luminaire Tested: **HCC6W10D010MB-HM60525935-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W10D010MB-HM60525935-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

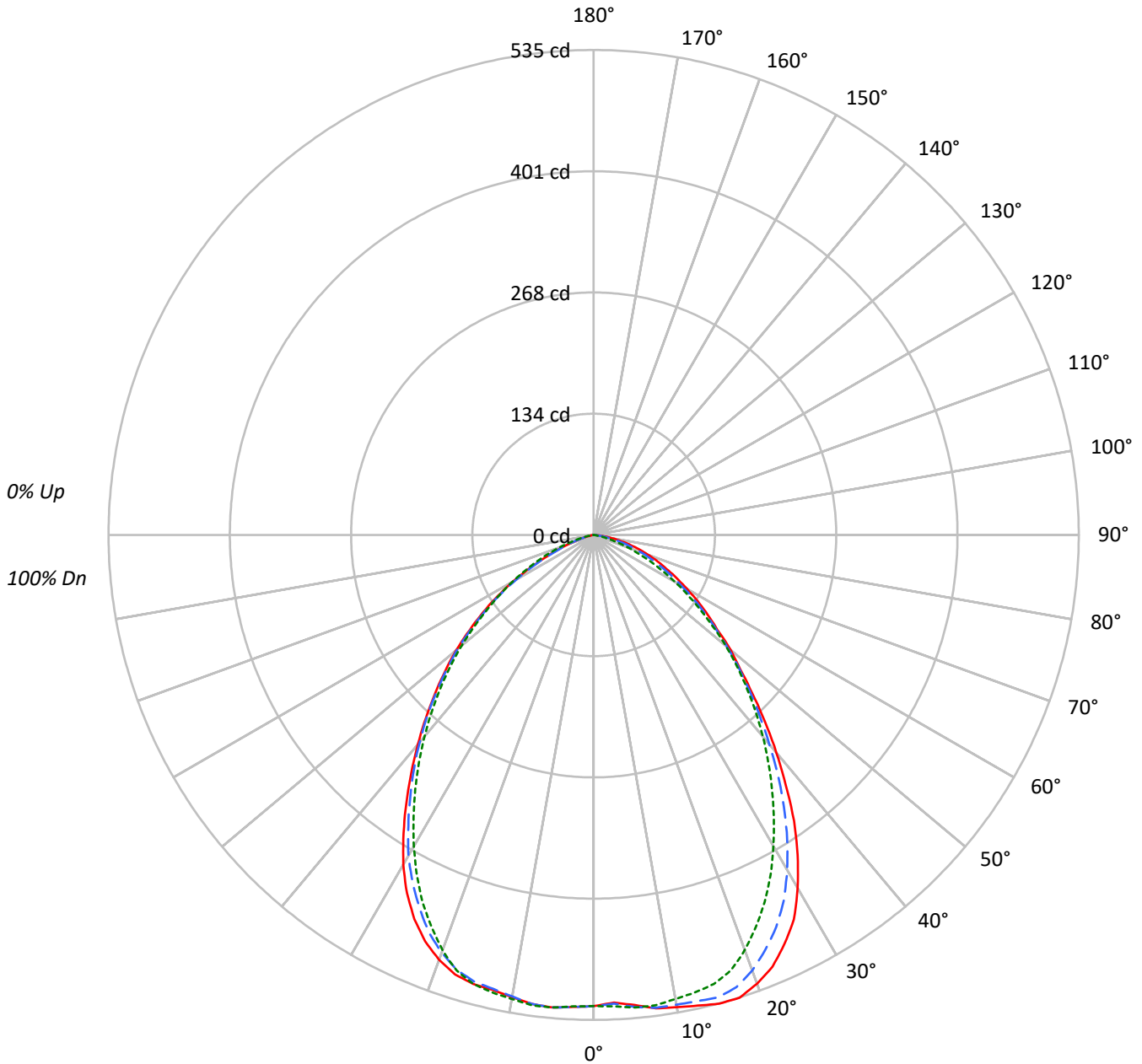
Lumens per Lamp: N/A
Luminaire Lumens: 1049.4 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581666
CATALOG NUMBER: HCC6W10D010MB-HM60525935-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P581666

CATALOG NUMBER: HCC6W10D010MB-HM60525935-61RWWC

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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88								
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77								
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68								
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	28496	28496	28496
5°	28643	28797	28797
10°	29447	28935	28818
15°	30380	29103	29103
20°	30733	28434	29088
25°	30123	27014	28284
30°	28492	25099	26567
35°	25779	22955	24086
40°	22435	20760	21576
45°	19165	18506	19165
50°	16818	16221	16878
55°	14671	13667	14203
60°	12970	11359	11194
65°	11506	8963	7679
70°	10162	6315	4632
75°	8663	3580	2224
80°	6440	1105	695
85°	3585	440	440



TEST NUMBER: P581666
 CATALOG NUMBER: HCC6W10D010MB-HM60525935-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	4.8
10°-20°	145.9	13.9
20°-30°	213.1	20.3
30°-40°	223.4	21.3
40°-50°	188.2	17.9
50°-60°	131.9	12.6
60°-70°	70.7	6.7
70°-80°	23.7	2.3
80°-90°	2.6	0.2
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°	408.8	39.0
0°-40°	632.2	60.2
0°-60°	952.4	90.8
0°-90°	1049.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1049.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	520	520	520	520	520	
5°	520	523	523	523	523	50
15°	535	528	513	510	513	151
25°	498	477	447	454	468	228
35°	385	366	343	353	360	239
45°	247	243	239	245	247	193
55°	154	149	143	146	149	138
65°	89	81	69	57	59	89
75°	41	32	17	10	10	43
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: P581666

CATALOG NUMBER: HCC6W10D010MB-HM60525935-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	519.8	519.8	519.8	519.8	519.8	519.8	519.8	519.8	519.8
2.5°	516.3	516.3	517.7	519.1	520.5	520.5	521.2	521.9	521.2
5°	520.5	520.5	522.6	523.3	523.3	522.6	523.3	523.3	523.3
7.5°	526.8	525.5	526.2	524.7	523.3	522.6	521.9	521.9	521.9
10°	529.0	527.5	526.2	523.3	519.8	517.7	517.0	517.7	517.7
12.5°	531.8	530.3	526.8	521.2	517.0	513.5	512.8	514.2	514.2
15°	535.3	533.9	528.2	519.1	512.8	509.2	510.0	511.3	512.8
17.5°	535.3	532.5	523.3	511.3	503.6	500.1	502.8	506.5	508.5
20°	526.8	524.0	511.3	496.5	487.4	485.3	490.2	496.5	498.6
22.5°	515.5	510.0	495.1	477.5	467.6	467.6	474.8	482.5	485.3
25°	498.0	493.8	476.8	456.4	446.6	445.8	454.3	464.8	467.6
27.5°	478.3	472.6	454.3	433.1	422.6	423.3	432.4	443.1	445.8
30°	450.1	443.1	426.8	406.4	396.5	399.4	408.5	416.2	419.7
32.5°	418.4	412.0	397.2	378.2	369.7	372.5	380.4	387.4	390.2
35°	385.2	378.2	365.5	348.7	343.0	345.8	352.8	358.5	359.9
37.5°	348.0	343.0	333.8	320.5	316.3	319.8	325.4	329.0	330.3
40°	313.5	309.1	301.5	291.6	290.1	293.0	298.6	300.8	301.5
42.5°	279.6	276.1	271.1	264.1	264.1	266.9	271.9	273.3	273.9
45°	247.2	245.1	243.0	237.4	238.7	242.2	245.1	247.2	247.2
47.5°	219.0	219.7	216.9	212.7	214.1	217.7	219.7	221.9	221.9
50°	197.2	195.0	192.3	188.0	190.2	193.0	195.8	197.2	197.9
52.5°	171.8	171.2	169.0	164.1	165.5	167.0	169.7	171.8	172.5
55°	153.5	151.5	148.6	143.0	143.0	144.3	145.8	147.2	148.6
57.5°	136.0	133.8	129.6	123.3	122.6	122.6	121.8	123.3	125.3
60°	118.3	117.6	111.3	105.6	103.6	101.4	98.6	99.3	102.1
62.5°	102.8	101.4	95.8	88.7	84.6	81.1	77.4	76.7	79.6
65°	88.7	87.4	81.1	73.9	69.1	62.7	57.1	57.1	59.2
67.5°	76.1	73.2	67.6	59.9	53.5	45.7	40.2	41.5	42.2
70°	63.4	61.2	54.9	47.2	39.4	31.7	28.2	28.9	28.9
72.5°	52.1	49.4	43.0	35.2	27.5	20.4	19.0	18.3	18.3
75°	40.9	38.0	31.7	24.0	16.9	12.0	10.5	10.5	10.5
77.5°	29.5	27.5	21.8	14.8	9.2	5.7	5.0	4.2	4.2
80°	20.4	18.3	13.4	7.7	3.5	2.2	2.2	2.2	2.2
82.5°	12.0	9.8	6.3	3.5	1.4	0.7	0.7	0.7	0.7
85°	5.7	4.2	2.8	1.4	0.7	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	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)