

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: P581595

Luminaire Tested: **HCC6W10D010MW-HM60525835-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581595
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: HCC6W10D010MW-HM60525835-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

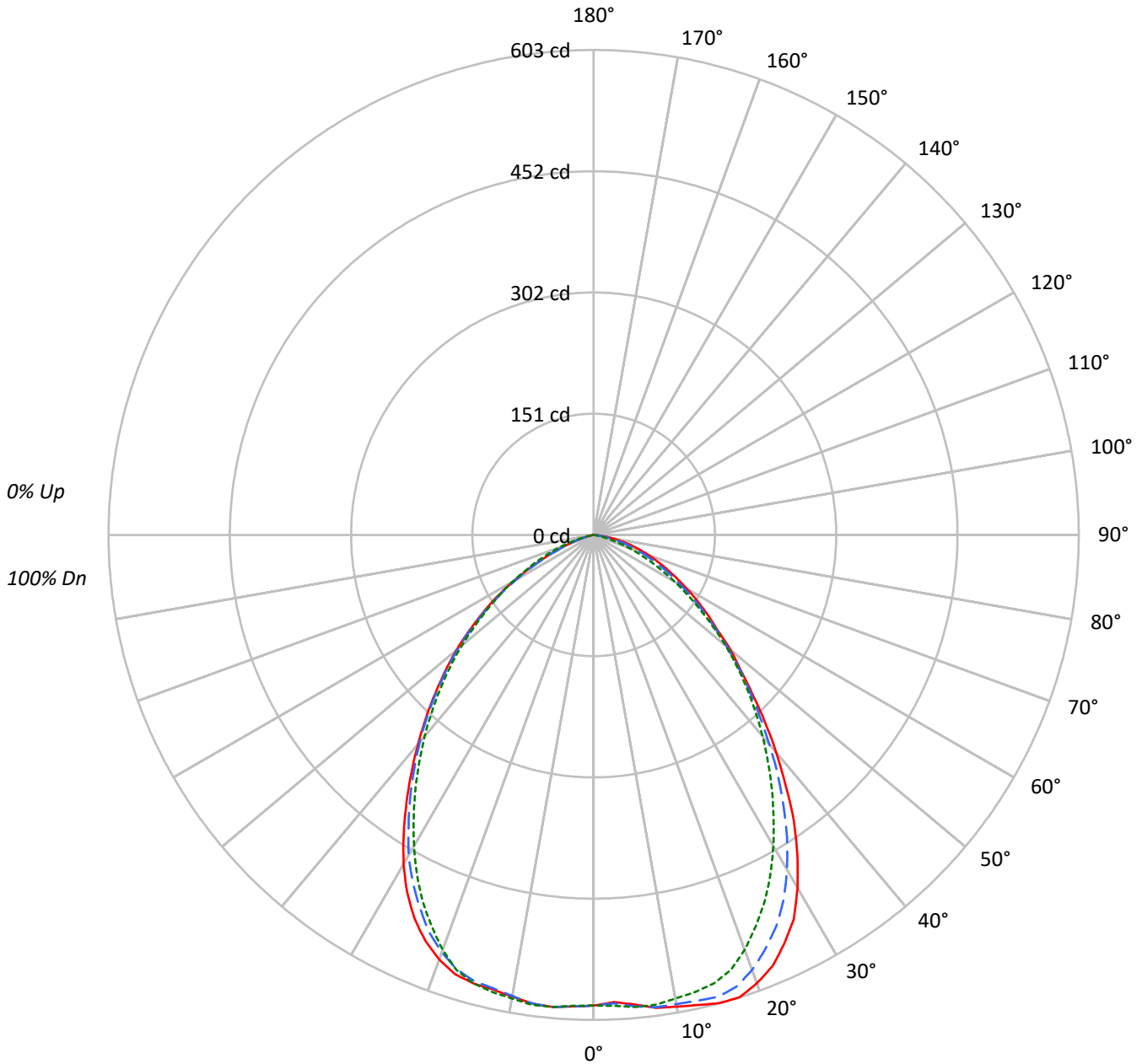
Lumens per Lamp: N/A
Luminaire Lumens: 1181.5 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (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: P581595
CATALOG NUMBER: HCC6W10D010MW-HM60525835-61RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P581595

CATALOG NUMBER: HCC6W10D010MW-HM60525835-61RWWC

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°	32081	32081	32081
5°	32247	32423	32423
10°	33149	32576	32448
15°	34206	32764	32764
20°	34606	32016	32757
25°	33915	30407	31847
30°	32075	28264	29916
35°	29031	25846	27124
40°	25247	23380	24288
45°	21584	20839	21584
50°	18933	18260	19002
55°	16525	15388	15990
60°	14604	12784	12609
65°	12972	10092	8639
70°	11428	7117	5209
75°	9743	4024	2521
80°	7261	1263	758
85°	3963	503	503



TEST NUMBER: P581595
 CATALOG NUMBER: HCC6W10D010MW-HM60525835-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	4.8
10°-20°	164.2	13.9
20°-30°	239.9	20.3
30°-40°	251.6	21.3
40°-50°	212.0	17.9
50°-60°	148.5	12.6
60°-70°	79.6	6.7
70°-80°	26.7	2.3
80°-90°	2.9	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°	460.3	39.0
0°-40°	711.9	60.2
0°-60°	1072.3	90.8
0°-90°	1181.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1181.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	585	585	585	585	585	
5°	586	588	589	589	589	56
15°	603	595	577	574	577	170
25°	561	537	503	511	526	257
35°	434	412	386	397	405	269
45°	278	274	269	276	278	217
55°	173	167	161	164	167	156
65°	100	91	78	64	67	100
75°	46	36	19	12	12	49
85°	6	3	1	1	1	9
90°	0	0	0	0	0	



TEST NUMBER: P581595

CATALOG NUMBER: HCC6W10D010MW-HM60525835-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	585.2	585.2	585.2	585.2	585.2	585.2	585.2	585.2	585.2
2.5°	581.3	581.3	582.9	584.5	586.0	586.0	586.8	587.6	586.8
5°	586.0	586.0	588.4	589.2	589.2	588.4	589.2	589.2	589.2
7.5°	593.2	591.6	592.4	590.8	589.2	588.4	587.6	587.6	587.6
10°	595.5	594.0	592.4	589.2	585.2	582.9	582.1	582.9	582.9
12.5°	598.7	597.1	593.2	586.8	582.1	578.1	577.3	578.9	578.9
15°	602.7	601.1	594.8	584.5	577.3	573.4	574.2	575.7	577.3
17.5°	602.7	599.5	589.2	575.7	567.0	563.1	566.2	570.2	572.6
20°	593.2	590.0	575.7	559.1	548.8	546.4	552.0	559.1	561.5
22.5°	580.5	574.2	557.5	537.7	526.5	526.5	534.5	543.2	546.4
25°	560.7	555.9	536.9	513.8	502.7	501.9	511.4	523.3	526.5
27.5°	538.5	532.2	511.4	487.7	475.8	476.6	486.9	498.8	501.9
30°	506.7	498.8	480.5	457.6	446.5	449.6	459.9	468.6	472.6
32.5°	471.0	463.9	447.3	425.9	416.3	419.5	428.2	436.2	439.3
35°	433.8	425.9	411.6	392.6	386.2	389.4	397.3	403.7	405.3
37.5°	391.8	386.2	375.8	360.8	356.0	360.0	366.3	370.3	371.9
40°	352.8	348.1	339.4	328.3	326.7	329.9	336.2	338.6	339.4
42.5°	314.8	310.8	305.3	297.4	297.4	300.5	306.1	307.7	308.5
45°	278.4	276.0	273.6	267.3	268.8	272.8	276.0	278.4	278.4
47.5°	246.7	247.5	244.3	239.5	241.1	245.1	247.5	249.8	249.8
50°	222.0	219.6	216.4	211.7	214.1	217.2	220.4	222.0	222.8
52.5°	193.5	192.7	190.3	184.7	186.3	187.9	191.1	193.5	194.3
55°	172.9	170.5	167.3	161.0	161.0	162.6	164.1	165.7	167.3
57.5°	153.0	150.7	145.9	138.8	138.0	138.0	137.2	138.8	141.2
60°	133.2	132.4	125.3	119.0	116.6	114.2	111.0	111.8	115.0
62.5°	115.8	114.2	107.9	100.0	95.2	91.2	87.3	86.5	89.7
65°	100.0	98.4	91.2	83.3	77.8	70.5	64.2	64.2	66.6
67.5°	85.7	82.5	76.2	67.4	60.2	51.5	45.2	46.8	47.5
70°	71.3	68.9	61.8	53.1	44.4	35.7	31.7	32.5	32.5
72.5°	58.6	55.5	48.3	39.6	30.9	23.0	21.4	20.6	20.6
75°	46.0	42.8	35.7	26.9	19.0	13.5	11.9	11.9	11.9
77.5°	33.3	30.9	24.6	16.6	10.3	6.3	5.5	4.8	4.8
80°	23.0	20.6	15.1	8.7	4.0	2.4	2.4	2.4	2.4
82.5°	13.5	11.1	7.1	4.0	1.6	0.8	0.8	0.8	0.8
85°	6.3	4.8	3.2	1.6	0.8	0.8	0.8	0.8	0.8
87.5°	0.8	0.8	0.8	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)