

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: P581583

Luminaire Tested: **HCC6W10D010MB-HM60525830-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581583
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: HCC6W10D010MB-HM60525830-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

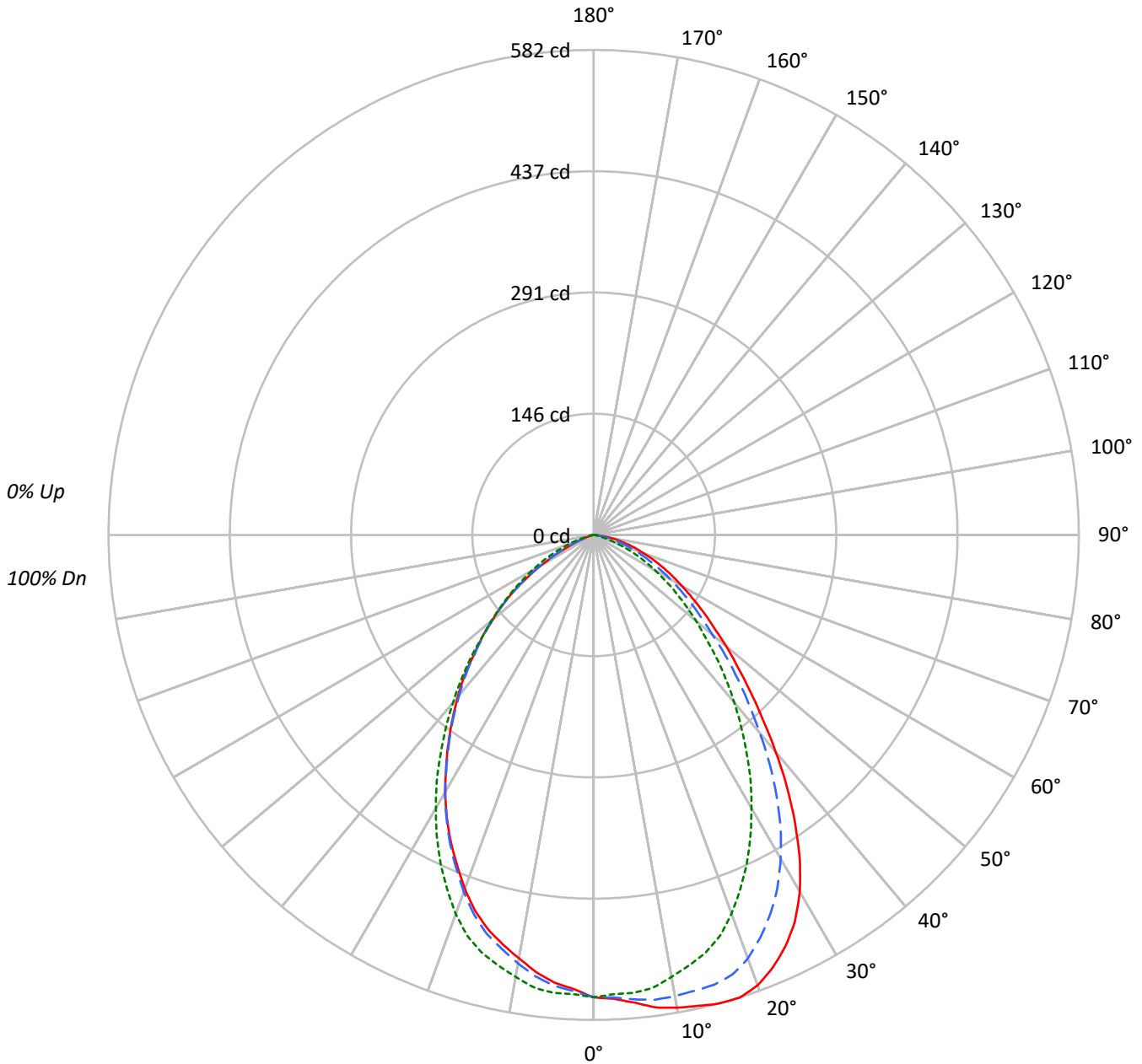
Lumens per Lamp: N/A
Luminaire Lumens: 988.8 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581583
CATALOG NUMBER: HCC6W10D010MB-HM60525830-61WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P581583

CATALOG NUMBER: HCC6W10D010MB-HM60525830-61WWBB

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	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°	30420	30420	30420
5°	31009	30360	29677
10°	32064	29976	28718
15°	33042	29455	27809
20°	33556	28224	26363
25°	32947	26294	24546
30°	31321	23959	22529
35°	28155	21415	20318
40°	24296	18764	18155
45°	20568	16157	15730
50°	17637	13646	13509
55°	15292	11488	11039
60°	13343	9319	7872
65°	11752	7186	4345
70°	10130	4760	2116
75°	8578	2330	805
80°	6661	1010	505
85°	3900	503	503



TEST NUMBER: P581583
 CATALOG NUMBER: HCC6W10D010MB-HM60525830-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	5.3
10°-20°	148.1	15.0
20°-30°	208.5	21.1
30°-40°	213.0	21.5
40°-50°	171.8	17.4
50°-60°	115.2	11.7
60°-70°	58.3	5.9
70°-80°	18.6	1.9
80°-90°	2.9	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°	409.0	41.4
0°-40°	622.0	62.9
0°-60°	909.0	91.9
0°-90°	988.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	988.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	555	555	555	555	555	
5°	564	560	552	543	539	54
15°	582	559	519	496	490	164
25°	545	502	435	408	406	249
35°	421	382	320	302	304	262
45°	265	244	208	201	203	206
55°	160	142	120	115	116	144
65°	91	75	55	37	34	90
75°	40	29	11	4	4	44
85°	6	3	1	1	1	8
90°	0	0	0	0	0	



TEST NUMBER: P581583

CATALOG NUMBER: HCC6W10D010MB-HM60525830-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9
2.5°	557.2	556.4	555.7	554.1	551.7	549.4	547.9	546.3	545.5
5°	563.5	561.9	559.5	556.4	551.7	546.3	543.1	540.1	539.3
7.5°	572.0	568.9	562.7	555.7	547.9	540.1	534.5	531.5	529.1
10°	576.0	570.5	561.9	550.2	538.5	529.1	522.1	517.4	515.9
12.5°	579.0	572.8	560.3	544.7	529.1	516.6	508.8	504.9	503.4
15°	582.2	576.0	558.8	538.5	519.0	504.2	495.6	491.6	490.0
17.5°	582.2	573.6	553.3	527.5	504.2	486.2	477.6	473.7	472.9
20°	575.2	565.8	540.9	510.4	483.8	463.6	455.7	453.4	451.9
22.5°	561.9	550.9	522.9	488.6	459.7	440.1	431.5	430.0	428.5
25°	544.7	533.9	501.8	465.1	434.7	415.2	408.2	406.6	405.8
27.5°	522.9	511.2	477.6	440.1	407.4	388.6	382.4	382.4	381.6
30°	494.8	481.6	448.7	411.3	378.5	361.3	356.7	356.7	355.9
32.5°	460.4	447.1	417.5	381.6	350.4	332.5	328.5	330.1	329.3
35°	420.7	409.7	382.4	347.3	320.0	303.6	302.0	303.6	303.6
37.5°	380.8	370.7	347.3	316.8	291.0	276.2	276.2	278.6	277.8
40°	339.5	331.7	309.8	283.3	262.2	252.1	250.5	252.9	253.7
42.5°	300.4	294.2	275.5	253.7	234.9	224.7	227.1	228.7	229.5
45°	265.3	259.1	244.3	221.6	208.4	201.4	201.4	203.6	202.9
47.5°	234.1	229.5	214.6	192.8	181.0	178.0	179.5	181.0	181.0
50°	206.8	199.8	185.8	168.6	160.0	156.1	157.7	158.4	158.4
52.5°	181.0	176.4	162.3	146.7	138.9	136.5	136.5	137.3	137.3
55°	160.0	154.5	142.1	126.4	120.2	117.0	114.7	114.0	115.5
57.5°	139.7	135.0	123.3	108.4	101.4	98.4	93.6	92.0	93.6
60°	121.7	117.8	106.2	92.0	85.0	78.8	73.4	70.2	71.8
62.5°	106.2	101.4	89.8	78.0	70.2	63.2	54.7	49.9	52.3
65°	90.6	86.6	74.9	63.2	55.4	46.9	36.7	33.5	33.5
67.5°	76.5	72.6	61.7	51.5	42.1	32.0	22.6	21.8	22.6
70°	63.2	59.3	49.9	39.8	29.7	19.5	13.2	13.2	13.2
72.5°	52.3	47.7	39.1	28.9	18.7	10.2	7.0	7.8	7.8
75°	40.5	36.7	28.9	19.5	11.0	4.6	3.8	3.8	3.8
77.5°	30.5	27.3	20.3	12.5	5.4	1.6	1.6	1.6	1.6
80°	21.1	18.0	13.2	7.8	3.2	1.6	1.6	1.6	1.6
82.5°	12.5	11.0	7.8	3.8	1.6	0.8	0.8	0.8	0.8
85°	6.2	5.4	3.2	1.6	0.8	0.8	0.8	0.8	0.8
87.5°	1.6	1.6	0.8	0.8	0.0	0.8	0.8	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)