

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: P581674

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581674
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: HCC6W10D010MB-HM60525935-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

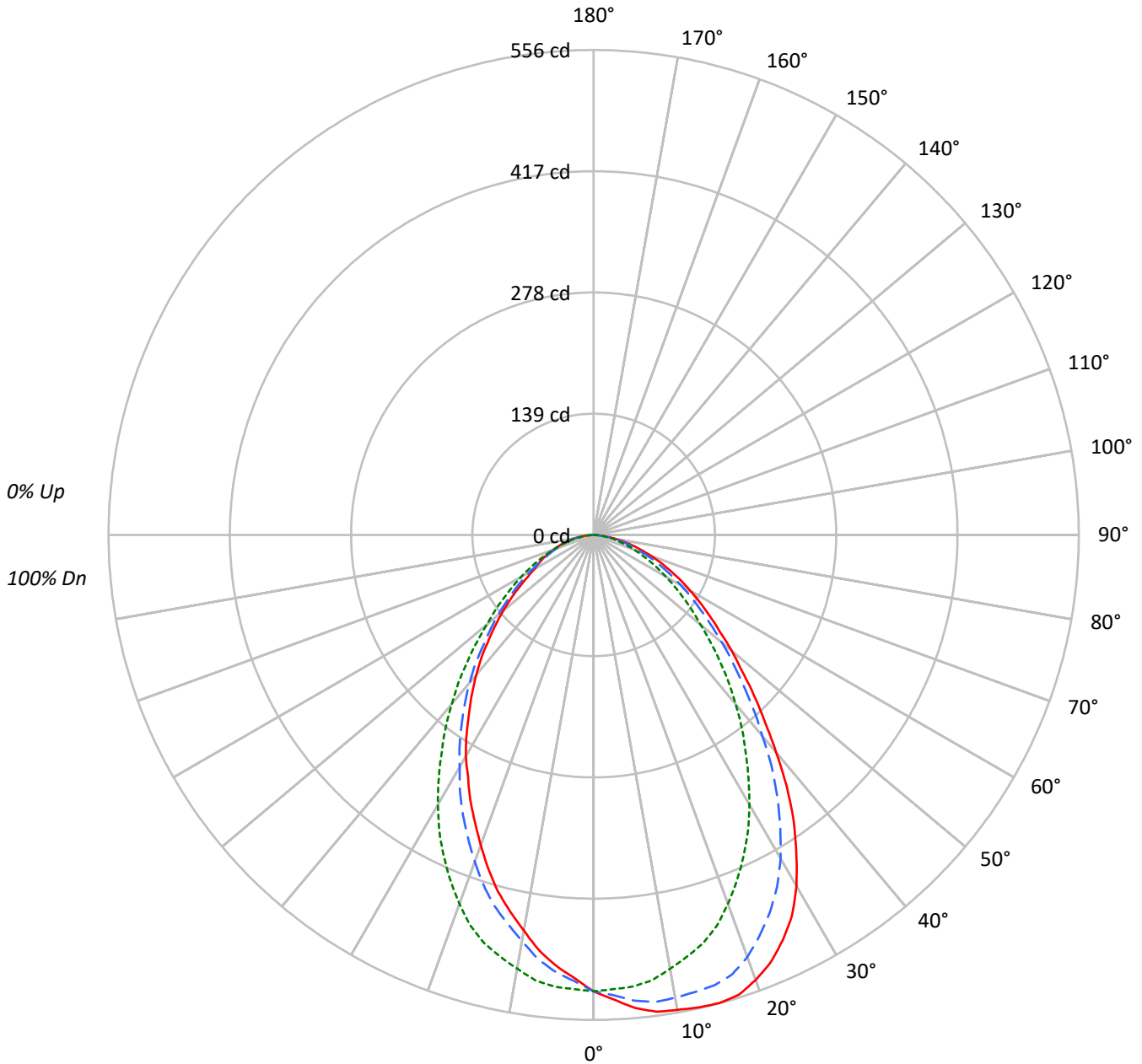
Lumens per Lamp: N/A
Luminaire Lumens: 974.7 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581674
CATALOG NUMBER: HCC6W10D010MB-HM60525935-61WWW

Luminous Intensity Polar Plot





TEST NUMBER: P581674

CATALOG NUMBER: HCC6W10D010MB-HM60525935-61WWW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	28682	28682	28682
5°	29958	28599	27284
10°	30778	28111	25640
15°	31538	27497	24024
20°	31678	26252	22064
25°	31012	24582	20233
30°	29422	22598	18547
35°	26729	20311	16637
40°	23279	18091	14971
45°	20149	15831	13156
50°	17603	13629	11539
55°	15550	11976	9902
60°	13979	10504	8574
65°	12505	9132	8315
70°	11172	7790	7790
75°	9680	6566	7307
80°	7798	5588	6693
85°	5346	4843	5787



TEST NUMBER: P581674
 CATALOG NUMBER: HCC6W10D010MB-HM60525935-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	5.0
10°-20°	136.7	14.0
20°-30°	190.5	19.5
30°-40°	196.3	20.1
40°-50°	162.7	16.7
50°-60°	116.9	12.0
60°-70°	74.4	7.6
70°-80°	38.2	3.9
80°-90°	9.7	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°	376.4	38.6
0°-40°	572.7	58.8
0°-60°	852.3	87.4
0°-90°	974.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	523	523	523	523	523	
5°	544	536	520	503	496	52
15°	556	534	484	440	423	157
25°	513	478	406	354	334	235
35°	399	367	304	263	249	248
45°	260	242	204	178	170	201
55°	163	149	125	111	104	147
65°	96	86	70	61	64	97
75°	46	39	31	32	34	49
85°	8	8	8	8	9	11
90°	0	0	0	0	0	

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



TEST NUMBER: P581674

CATALOG NUMBER: HCC6W10D010MB-HM60525935-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	523.2	523.2	523.2	523.2	523.2	523.2	523.2	523.2	523.2
2.5°	533.2	531.0	528.2	525.4	521.2	516.2	512.0	510.6	508.5
5°	544.4	541.5	535.9	528.9	519.7	510.6	502.8	498.0	495.8
7.5°	551.4	547.9	540.2	528.2	514.8	501.5	490.2	483.1	480.3
10°	552.9	549.4	538.7	522.5	505.0	486.6	472.6	464.1	460.6
12.5°	554.9	550.0	536.7	517.7	495.1	474.0	456.3	445.8	442.3
15°	555.7	550.0	534.5	511.3	484.5	459.1	440.1	427.4	423.3
17.5°	552.9	546.5	528.2	500.0	469.8	443.0	420.4	407.1	401.4
20°	543.0	535.9	514.8	483.1	450.0	421.9	398.6	384.5	378.2
22.5°	530.3	521.2	497.2	463.4	428.9	399.4	376.1	362.0	355.7
25°	512.7	504.3	477.5	441.6	406.4	375.4	354.2	339.5	334.5
27.5°	492.3	482.5	455.0	419.1	383.1	352.2	331.7	318.3	312.0
30°	464.8	455.6	428.2	392.2	357.0	328.2	307.1	295.8	293.0
32.5°	432.4	424.7	397.9	364.1	330.3	303.5	285.9	273.9	271.1
35°	399.4	390.2	366.9	335.2	303.5	279.6	263.4	252.8	248.6
37.5°	363.4	355.0	335.2	307.1	278.9	256.4	242.2	233.1	228.9
40°	325.3	319.0	300.8	278.1	252.8	233.1	221.2	213.4	209.2
42.5°	290.1	283.8	271.1	250.1	228.9	211.2	200.7	193.7	190.2
45°	259.9	254.2	241.6	223.2	204.2	189.5	178.2	173.2	169.7
47.5°	229.6	226.7	215.5	198.6	181.0	168.3	160.5	155.0	152.1
50°	206.4	202.9	192.2	174.7	159.8	150.0	143.0	138.0	135.3
52.5°	182.4	178.9	169.0	154.2	142.3	133.1	126.1	121.8	119.0
55°	162.7	159.8	149.3	136.0	125.3	117.6	111.3	106.3	103.6
57.5°	144.3	141.6	131.7	119.0	109.9	102.8	97.2	92.9	89.4
60°	127.5	125.3	115.5	103.6	95.8	88.7	83.8	80.3	78.2
62.5°	112.6	108.4	100.0	89.4	82.4	76.7	71.9	69.7	71.1
65°	96.4	94.4	85.9	76.7	70.4	64.8	61.2	62.7	64.1
67.5°	83.1	80.3	73.2	64.8	59.2	54.9	52.9	55.6	56.4
70°	69.7	66.9	60.6	53.5	48.6	45.7	45.7	47.9	48.6
72.5°	57.1	54.9	49.2	43.7	40.2	38.0	39.4	40.9	41.5
75°	45.7	43.7	39.4	34.5	31.0	31.0	32.4	33.8	34.5
77.5°	35.2	33.8	29.5	26.0	24.7	24.7	26.0	26.7	27.5
80°	24.7	23.2	21.2	19.0	17.7	19.0	20.4	20.4	21.2
82.5°	16.2	15.5	14.0	12.7	12.7	13.4	14.0	14.8	14.8
85°	8.5	8.5	7.7	7.0	7.7	8.5	8.5	9.2	9.2
87.5°	2.8	2.8	2.8	2.8	3.5	3.5	3.5	3.5	3.5
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)