

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: P582953

Luminaire Tested: **HCC6W05D010MB-HM60525930-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W05D010MB-HM60525930-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

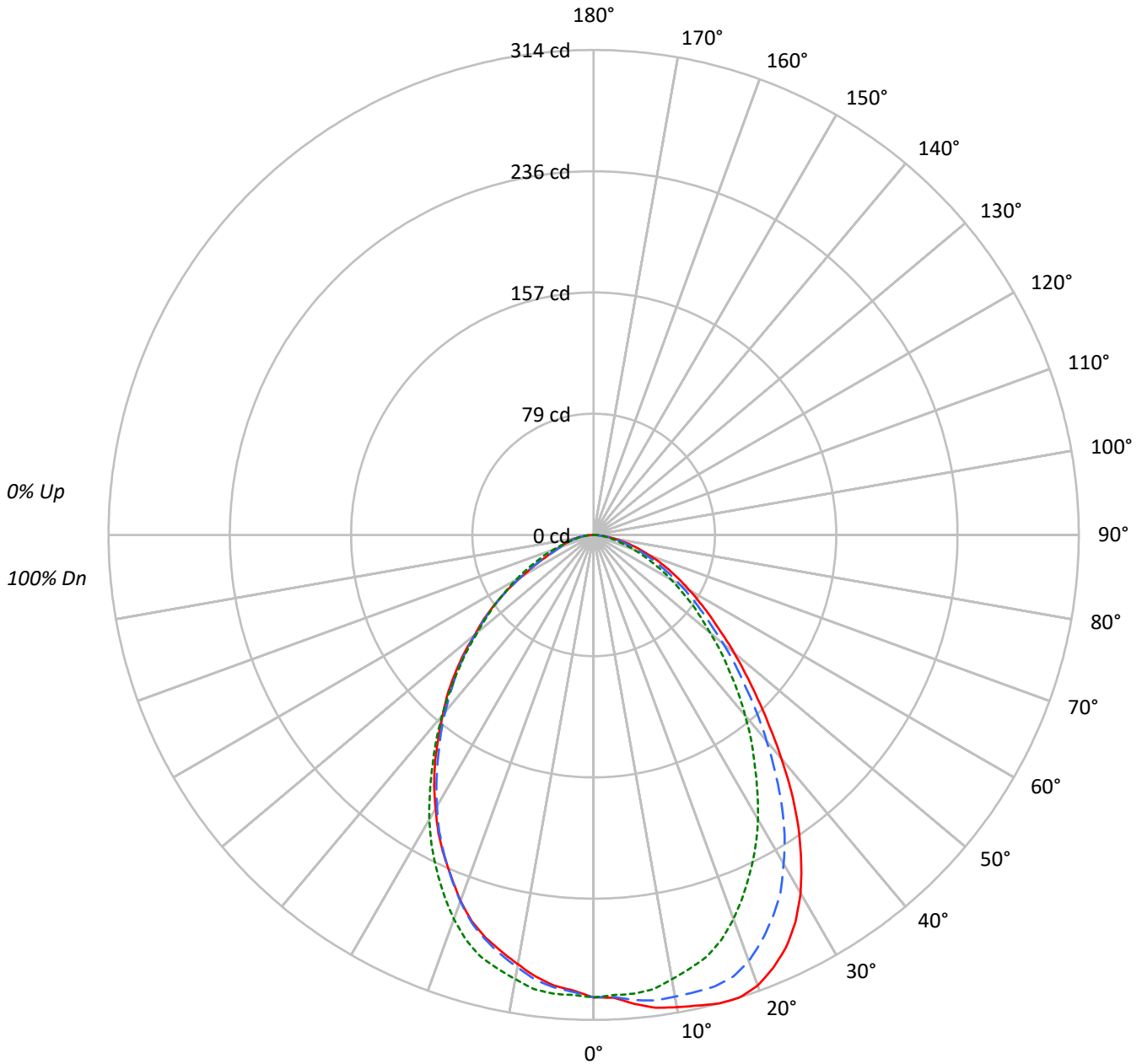
Lumens per Lamp: N/A
Luminaire Lumens: 586.5 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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: P582953
CATALOG NUMBER: HCC6W05D010MB-HM60525930-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582953

CATALOG NUMBER: HCC6W05D010MB-HM60525930-61WWWB

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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76								
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66								
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58								
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	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	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	16413	16413	16413
5°	16773	16410	16118
10°	17284	16260	15714
15°	17826	16044	15324
20°	18114	15436	14701
25°	17820	14523	13858
30°	16958	13470	12945
35°	15466	12153	11966
40°	13525	10913	10863
45°	11645	9613	9830
50°	10115	8375	8546
55°	8831	7359	7426
60°	7850	6370	5833
65°	7005	5370	4462
70°	6155	4408	3735
75°	5295	3474	3537
80°	4230	2968	3504
85°	2830	2579	3082



TEST NUMBER: P582953
 CATALOG NUMBER: HCC6W05D010MB-HM60525930-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	4.8
10°-20°	80.7	13.8
20°-30°	115.2	19.6
30°-40°	120.7	20.6
40°-50°	101.6	17.3
50°-60°	72.3	12.3
60°-70°	42.4	7.2
70°-80°	20.0	3.4
80°-90°	5.2	0.9
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°	224.3	38.2
0°-40°	345.0	58.8
0°-60°	518.9	88.5
0°-90°	586.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	586.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	299	299	299	299	299	
5°	305	302	298	294	293	29
15°	314	303	283	271	270	89
25°	295	274	240	229	229	135
35°	231	212	182	176	179	144
45°	150	139	124	124	127	117
55°	92	85	77	77	78	83
65°	54	48	41	35	34	54
75°	25	21	16	16	17	27
85°	4	4	4	5	5	6
90°	0	0	0	0	0	

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



TEST NUMBER: P582953

CATALOG NUMBER: HCC6W05D010MB-HM60525930-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4
2.5°	299.9	299.9	299.4	299.0	298.2	297.0	296.2	295.4	295.4
5°	304.8	304.0	302.3	300.2	298.2	295.7	294.1	292.9	292.9
7.5°	308.8	307.2	304.0	300.2	296.6	293.3	290.4	288.8	288.4
10°	310.5	308.5	303.5	297.9	292.1	287.6	284.3	282.3	282.3
12.5°	312.1	309.6	303.2	294.9	287.6	281.5	278.2	276.5	276.2
15°	314.1	310.9	302.7	292.4	282.7	275.7	271.2	270.0	270.0
17.5°	314.1	310.1	299.9	287.1	274.9	267.1	263.1	261.8	262.3
20°	310.5	306.0	293.7	278.2	264.6	256.5	252.4	251.5	252.0
22.5°	303.5	298.2	284.3	267.6	252.8	244.2	240.6	240.6	240.1
25°	294.6	288.8	273.7	256.1	240.1	231.5	228.7	229.1	229.1
27.5°	282.7	277.0	261.8	243.0	227.0	218.4	216.4	217.2	217.6
30°	267.9	261.8	245.9	227.5	212.8	204.1	202.9	204.1	204.5
32.5°	250.0	245.4	230.0	211.1	197.2	189.8	189.4	190.6	192.2
35°	231.1	226.2	211.9	194.7	181.6	175.5	175.5	177.5	178.8
37.5°	210.6	205.8	192.7	178.3	167.4	161.6	162.4	164.4	164.9
40°	189.0	185.3	174.2	162.0	152.5	148.1	149.3	151.3	151.8
42.5°	168.6	165.3	156.3	145.2	138.3	135.0	136.6	139.1	139.9
45°	150.2	146.4	139.1	129.7	124.0	122.3	124.4	126.0	126.8
47.5°	133.3	130.1	124.0	115.4	111.3	110.4	112.5	113.3	114.1
50°	118.6	115.4	109.3	101.5	98.2	98.2	99.8	100.7	100.2
52.5°	104.3	101.5	95.7	89.2	87.1	87.1	88.4	88.8	89.6
55°	92.4	89.6	84.6	78.5	77.0	76.0	77.0	77.0	77.7
57.5°	81.4	79.0	74.5	68.7	66.7	65.9	65.4	65.1	65.9
60°	71.6	69.5	64.6	59.8	58.1	56.0	54.4	52.8	53.2
62.5°	62.6	60.6	56.0	51.2	49.5	46.7	44.6	42.6	43.4
65°	54.0	52.0	47.9	43.7	41.4	38.1	34.8	33.6	34.4
67.5°	46.2	44.6	40.5	36.4	34.4	30.7	27.5	27.5	27.8
70°	38.4	36.8	33.6	29.8	27.5	24.2	22.9	23.3	23.3
72.5°	31.5	30.3	27.0	23.7	21.2	19.2	19.2	19.7	20.0
75°	25.0	24.2	20.9	18.0	16.4	15.1	15.9	16.4	16.7
77.5°	19.2	18.0	15.6	13.4	12.3	12.7	13.4	13.9	14.4
80°	13.4	13.1	11.1	9.8	9.4	9.8	10.6	11.1	11.1
82.5°	8.6	8.1	7.0	6.6	6.6	7.0	7.8	7.8	7.8
85°	4.5	4.1	3.7	3.7	4.1	4.5	4.9	4.9	4.9
87.5°	1.6	1.2	1.6	1.6	2.0	2.0	2.0	2.0	2.0
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)