

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: P582921

Luminaire Tested: **HCC6W05D010MB-HM60525927-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W05D010MB-HM60525927-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

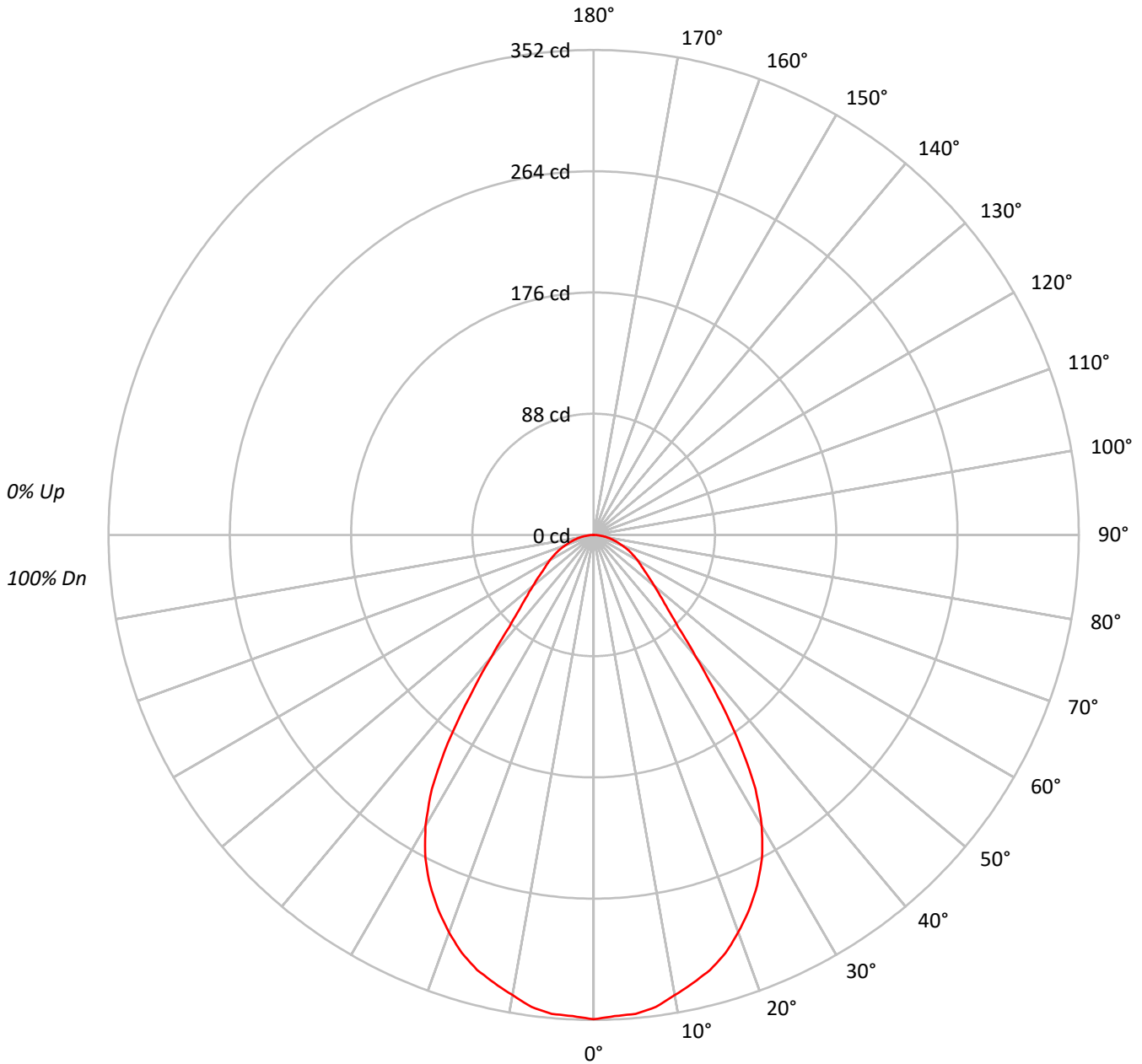
Lumens per Lamp: N/A
Luminaire Lumens: 517.7 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582921
CATALOG NUMBER: HCC6W05D010MB-HM60525927-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582921
 CATALOG NUMBER: HCC6W05D010MB-HM60525927-61MDW

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	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	96	97	95	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19269
5°	19200
10°	18882
15°	18547
20°	17904
25°	16979
30°	15445
35°	12341
40°	8230
45°	5869
50°	4887
55°	4263
60°	4024
65°	3801
70°	3478
75°	3262
80°	2968
85°	2579



TEST NUMBER: P582921
 CATALOG NUMBER: HCC6W05D010MB-HM60525927-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	6.4
10°-20°	91.8	17.7
20°-30°	128.2	24.8
30°-40°	112.9	21.8
40°-50°	61.0	11.8
50°-60°	40.8	7.9
60°-70°	28.9	5.6
70°-80°	16.3	3.1
80°-90°	4.8	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°	253.0	48.9
0°-40°	365.9	70.7
0°-60°	467.7	90.3
0°-90°	517.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	352	
5°	349	33
15°	327	92
25°	281	128
35°	184	113
45°	76	61
55°	45	41
65°	29	29
75°	15	16
85°	4	5
90°	0	



TEST NUMBER: P582921
CATALOG NUMBER: HCC6W05D010MB-HM60525927-61MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	351.5
2.5°	349.6
5°	348.9
7.5°	345.6
10°	339.2
12.5°	333.1
15°	326.8
17.5°	318.2
20°	306.9
22.5°	294.6
25°	280.7
27.5°	264.6
30°	244.0
32.5°	218.5
35°	184.4
37.5°	147.2
40°	115.0
42.5°	90.7
45°	75.7
47.5°	65.5
50°	57.3
52.5°	50.6
55°	44.6
57.5°	40.5
60°	36.7
62.5°	33.0
65°	29.3
67.5°	25.5
70°	21.7
72.5°	18.4
75°	15.4
77.5°	12.3
80°	9.4
82.5°	6.8
85°	4.1
87.5°	1.9
90°	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°

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)