

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: P582848

Luminaire Tested: **HCC6S05D010MB-HM60525827-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S05D010MB-HM60525827-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

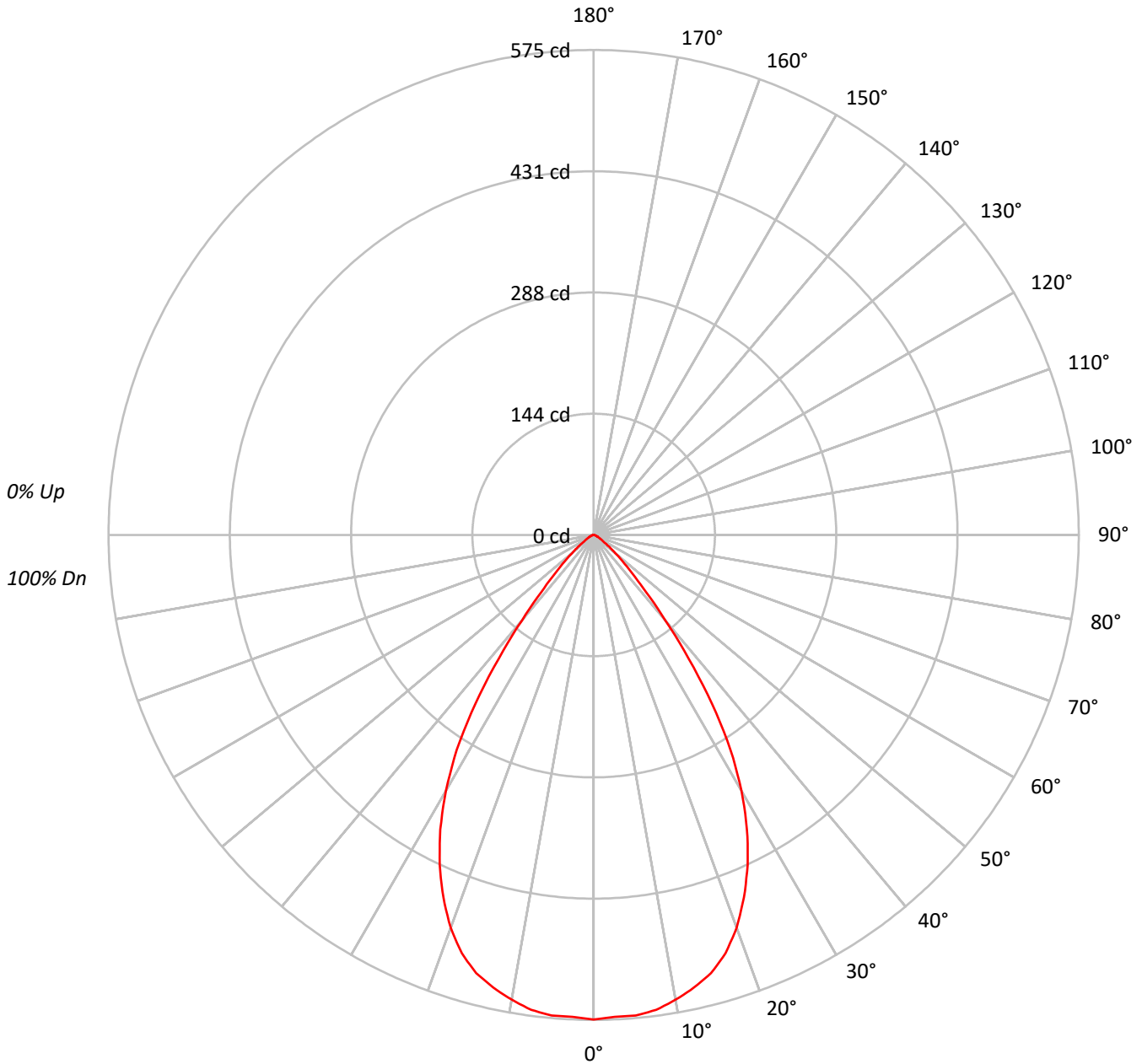
Lumens per Lamp: N/A
Luminaire Lumens: 629.1 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582848
CATALOG NUMBER: HCC6S05D010MB-HM60525827-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P582848
 CATALOG NUMBER: HCC6S05D010MB-HM60525827-61MDH

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			100
1	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79			79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72			72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	71	68	67			67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62			62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	62	56	52	71	62	56	52	61	56	52	60	55	51	59	55	51	50			50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47			47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31500
5°	31477
10°	31151
15°	30522
20°	28913
25°	26112
30°	22181
35°	16369
40°	9468
45°	5032
50°	2840
55°	1491
60°	976
65°	687
70°	513
75°	381
80°	284
85°	314



TEST NUMBER: P582848
 CATALOG NUMBER: HCC6S05D010MB-HM60525827-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	8.6
10°-20°	150.4	23.9
20°-30°	196.3	31.2
30°-40°	150.0	23.8
40°-50°	54.3	8.6
50°-60°	15.8	2.5
60°-70°	5.6	0.9
70°-80°	2.0	0.3
80°-90°	0.4	0.1
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°	400.9	63.7
0°-40°	551.0	87.6
0°-60°	621.1	98.7
0°-90°	629.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	629.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	575	
5°	572	54
15°	538	150
25°	432	196
35°	245	150
45°	65	54
55°	16	16
65°	5	6
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P582848
CATALOG NUMBER: HCC6S05D010MB-HM60525827-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	574.6
2.5°	572.0
5°	572.0
7.5°	567.9
10°	559.6
12.5°	549.7
15°	537.8
17.5°	520.0
20°	495.6
22.5°	465.4
25°	431.7
27.5°	393.5
30°	350.4
32.5°	301.9
35°	244.6
37.5°	184.8
40°	132.3
42.5°	91.5
45°	64.9
47.5°	46.7
50°	33.3
52.5°	23.5
55°	15.6
57.5°	11.1
60°	8.9
62.5°	7.1
65°	5.3
67.5°	4.4
70°	3.2
72.5°	2.3
75°	1.8
77.5°	1.4
80°	0.9
82.5°	0.5
85°	0.5
87.5°	0.0
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)