

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: P582924

Luminaire Tested: **HCC6S05D010MW-HM60525927-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S05D010MW-HM60525927-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

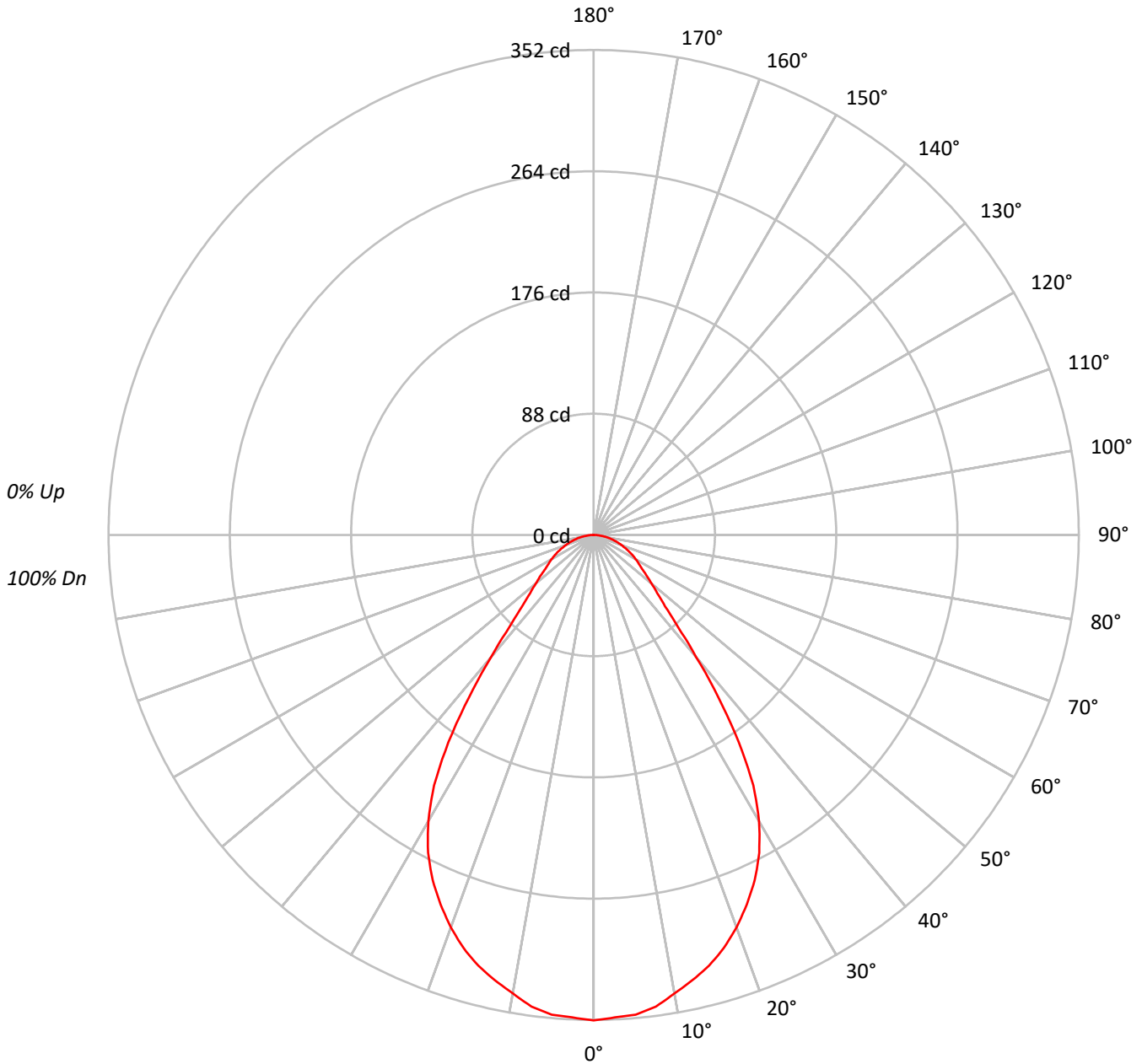
Lumens per Lamp: N/A
Luminaire Lumens: 510.2 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582924
CATALOG NUMBER: HCC6S05D010MW-HM60525927-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582924
 CATALOG NUMBER: HCC6S05D010MW-HM60525927-61NDW

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	83		86	83	81	79
3	97	88	82	77	94	87	81	76	84	79	75		81	77	73		79	75	72	70
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73	69	65	63
5	84	74	67	61	83	73	66	61	71	65	60		69	64	60		67	63	59	57
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	56	50	73	62	55	50	61	55	50		60	54	50		58	53	49	48
8	70	59	51	46	69	58	51	46	57	50	46		56	50	46		54	49	46	44
9	66	55	48	43	65	54	47	43	53	47	42		52	46	42		51	46	42	41
10	62	51	44	40	61	51	44	40	50	44	39		49	43	39		48	43	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19319
5°	19233
10°	18809
15°	18366
20°	17677
25°	16719
30°	15192
35°	12294
40°	8287
45°	5691
50°	4674
55°	4081
60°	3870
65°	3645
70°	3430
75°	3262
80°	2968
85°	2642



TEST NUMBER: P582924
 CATALOG NUMBER: HCC6S05D010MW-HM60525927-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	6.5
10°-20°	90.9	17.8
20°-30°	126.3	24.7
30°-40°	112.4	22.0
40°-50°	59.6	11.7
50°-60°	39.0	7.6
60°-70°	28.0	5.5
70°-80°	16.2	3.2
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°	250.1	49.0
0°-40°	362.5	71.1
0°-60°	461.2	90.4
0°-90°	510.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	510.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	352	
5°	350	33
15°	324	91
25°	276	126
35°	184	112
45°	73	60
55°	43	39
65°	28	28
75°	15	16
85°	4	5
90°	0	



TEST NUMBER: P582924
CATALOG NUMBER: HCC6S05D010MW-HM60525927-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	352.4
2.5°	350.6
5°	349.5
7.5°	345.3
10°	337.9
12.5°	331.1
15°	323.6
17.5°	314.3
20°	303.0
22.5°	290.3
25°	276.4
27.5°	260.2
30°	240.0
32.5°	215.6
35°	183.7
37.5°	148.5
40°	115.8
42.5°	89.9
45°	73.4
47.5°	62.6
50°	54.8
52.5°	48.4
55°	42.7
57.5°	38.6
60°	35.3
62.5°	31.9
65°	28.1
67.5°	24.7
70°	21.4
72.5°	18.4
75°	15.4
77.5°	12.4
80°	9.4
82.5°	6.8
85°	4.2
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)