

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: P582925

Luminaire Tested: **HCC6W05D010BZ-HM60525927-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W05D010BZ-HM60525927-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

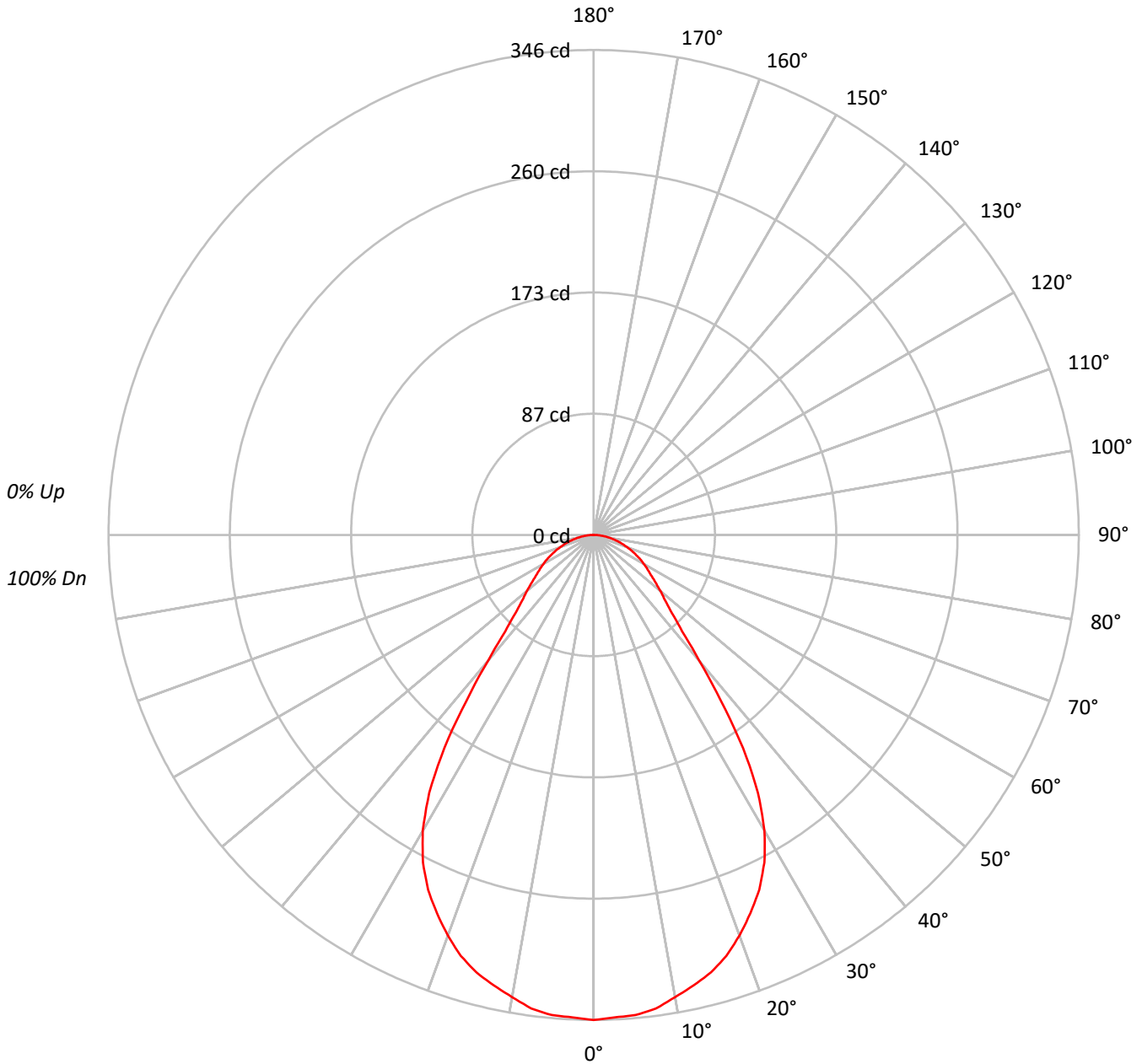
Lumens per Lamp: N/A
Luminaire Lumens: 530.8 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582925
CATALOG NUMBER: HCC6W05D010BZ-HM60525927-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P582925
 CATALOG NUMBER: HCC6W05D010BZ-HM60525927-61PSMDW

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	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78				
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69				
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62				
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56				
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51				
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46				
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43				
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39				
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	18973
5°	18925
10°	18637
15°	18343
20°	17741
25°	16894
30°	15426
35°	12428
40°	8373
45°	6109
50°	5279
55°	4760
60°	4517
65°	4281
70°	4023
75°	3813
80°	3567
85°	3271



TEST NUMBER: P582925
 CATALOG NUMBER: HCC6W05D010BZ-HM60525927-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	6.1
10°-20°	90.8	17.1
20°-30°	127.5	24.0
30°-40°	113.5	21.4
40°-50°	63.4	12.0
50°-60°	45.2	8.5
60°-70°	32.9	6.2
70°-80°	19.0	3.6
80°-90°	5.9	1.1
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°	250.8	47.3
0°-40°	364.3	68.6
0°-60°	473.0	89.1
0°-90°	530.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	530.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	346	
5°	344	33
15°	323	91
25°	279	128
35°	186	114
45°	79	63
55°	50	45
65°	33	33
75°	18	19
85°	5	6
90°	0	



TEST NUMBER: P582925
CATALOG NUMBER: HCC6W05D010BZ-HM60525927-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	346.1
2.5°	344.5
5°	343.9
7.5°	340.8
10°	334.8
12.5°	329.2
15°	323.2
17.5°	314.9
20°	304.1
22.5°	292.1
25°	279.3
27.5°	263.6
30°	243.7
32.5°	218.2
35°	185.7
37.5°	148.8
40°	117.0
42.5°	93.3
45°	78.8
47.5°	69.0
50°	61.9
52.5°	55.5
55°	49.8
57.5°	45.4
60°	41.2
62.5°	37.5
65°	33.0
67.5°	29.3
70°	25.1
72.5°	21.4
75°	18.0
77.5°	14.6
80°	11.3
82.5°	8.2
85°	5.2
87.5°	2.6
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)