

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: P581814

Luminaire Tested: **HCC6W15D010MB-HM60525935-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W15D010MB-HM60525935-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

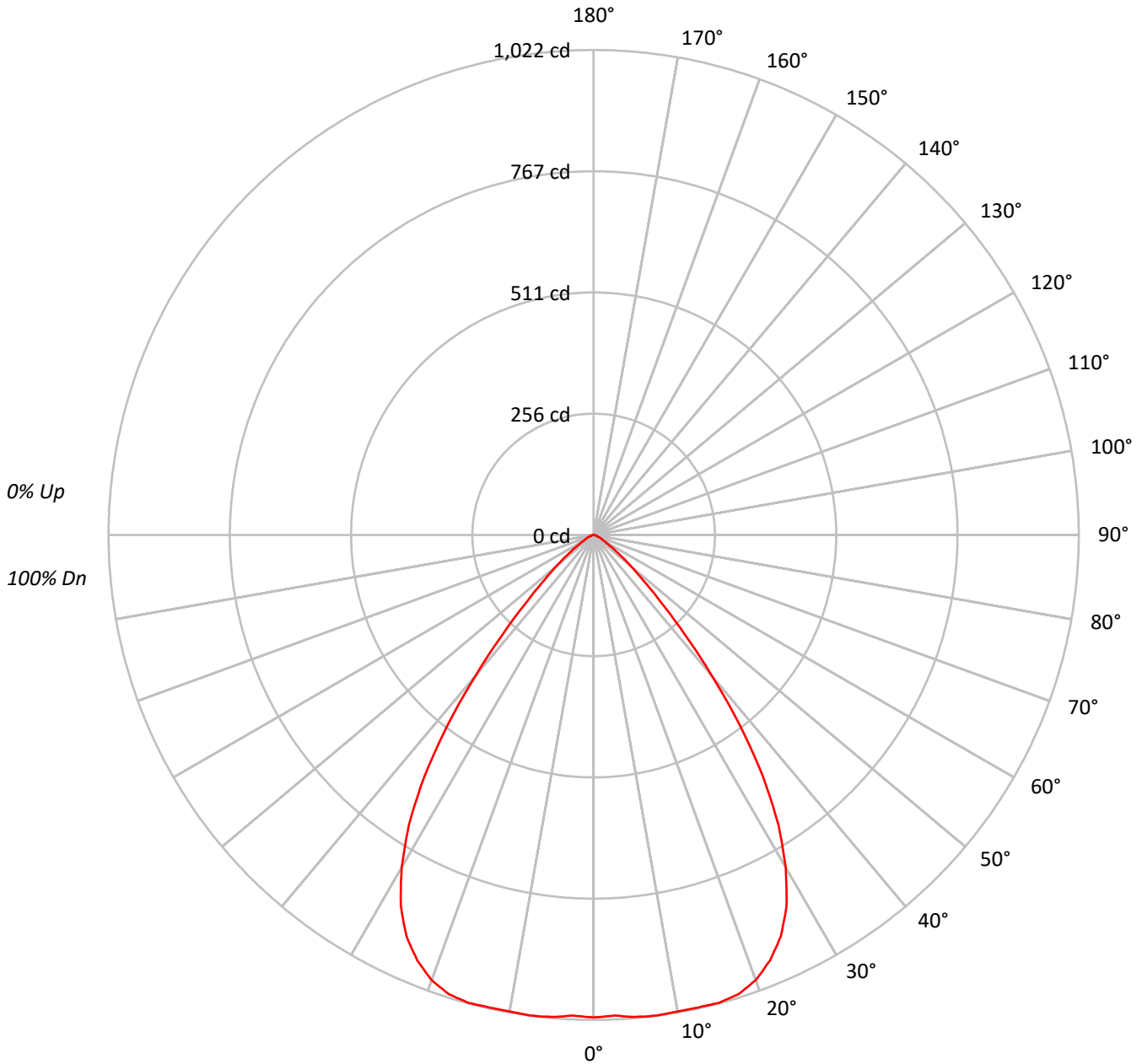
Lumens per Lamp: N/A
Luminaire Lumens: 1423.2 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P581814
CATALOG NUMBER: HCC6W15D010MB-HM60525935-61WDH

Luminous Intensity Polar Plot



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



TEST NUMBER: P581814

CATALOG NUMBER: HCC6W15D010MB-HM60525935-61WDH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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	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	98	97	96	95	94	92	92	92	84																
	1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92	92	92	90	93	90	88	90	88	86	84																
	2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84	84	81	78	77	77	75	72	70	70	70																
	3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77	77	75	72	70	70	68	68	64	64	64																
	4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70	68	66	64	64	64	64	64	64	64	64															
	5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64	64	64	64	64	64	64	64	64	64	64	64															
	6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59	59	59	59	59	59	59	59	59	59	59	59															
	7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54	54	54	54	54	54	54	54	54	54	54	54															
	8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50	50	50	50	50	50	50	50	50	50	50	50															
	9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46	46	46	46	46	46	46	46	46	46	46	46															
	10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43	43	43	43	43	43	43	43	43	43	43	43															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55736
5°	56114
10°	56762
15°	57923
20°	58251
25°	56435
30°	51198
35°	41626
40°	27630
45°	15381
50°	8622
55°	4788
60°	2642
65°	1998
70°	1378
75°	1017
80°	600
85°	566



TEST NUMBER: P581814
 CATALOG NUMBER: HCC6W15D010MB-HM60525935-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	6.8
10°-20°	287.8	20.2
20°-30°	424.2	29.8
30°-40°	379.4	26.7
40°-50°	164.6	11.6
50°-60°	48.4	3.4
60°-70°	15.4	1.1
70°-80°	5.4	0.4
80°-90°	0.7	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°	809.3	56.9
0°-40°	1188.6	83.5
0°-60°	1401.6	98.5
0°-90°	1423.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1423.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1017	
5°	1020	97
15°	1021	288
25°	933	424
35°	622	379
45°	198	165
55°	50	48
65°	15	15
75°	5	5
85°	1	1
90°	0	



TEST NUMBER: P581814
CATALOG NUMBER: HCC6W15D010MB-HM60525935-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1016.7
2.5°	1013.9
5°	1019.7
7.5°	1021.6
10°	1019.7
12.5°	1019.7
15°	1020.6
17.5°	1014.8
20°	998.5
22.5°	970.5
25°	933.0
27.5°	880.1
30°	808.8
32.5°	724.0
35°	622.0
37.5°	505.5
40°	386.1
42.5°	282.2
45°	198.4
47.5°	141.5
50°	101.1
52.5°	72.2
55°	50.1
57.5°	33.7
60°	24.1
62.5°	19.3
65°	15.4
67.5°	11.6
70°	8.6
72.5°	6.7
75°	4.8
77.5°	3.9
80°	1.9
82.5°	0.9
85°	0.9
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)