

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: P593080

Luminaire Tested: **HCC6W10D010BZ-HM60525950-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593080
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: HCC6W10D010BZ-HM60525950-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

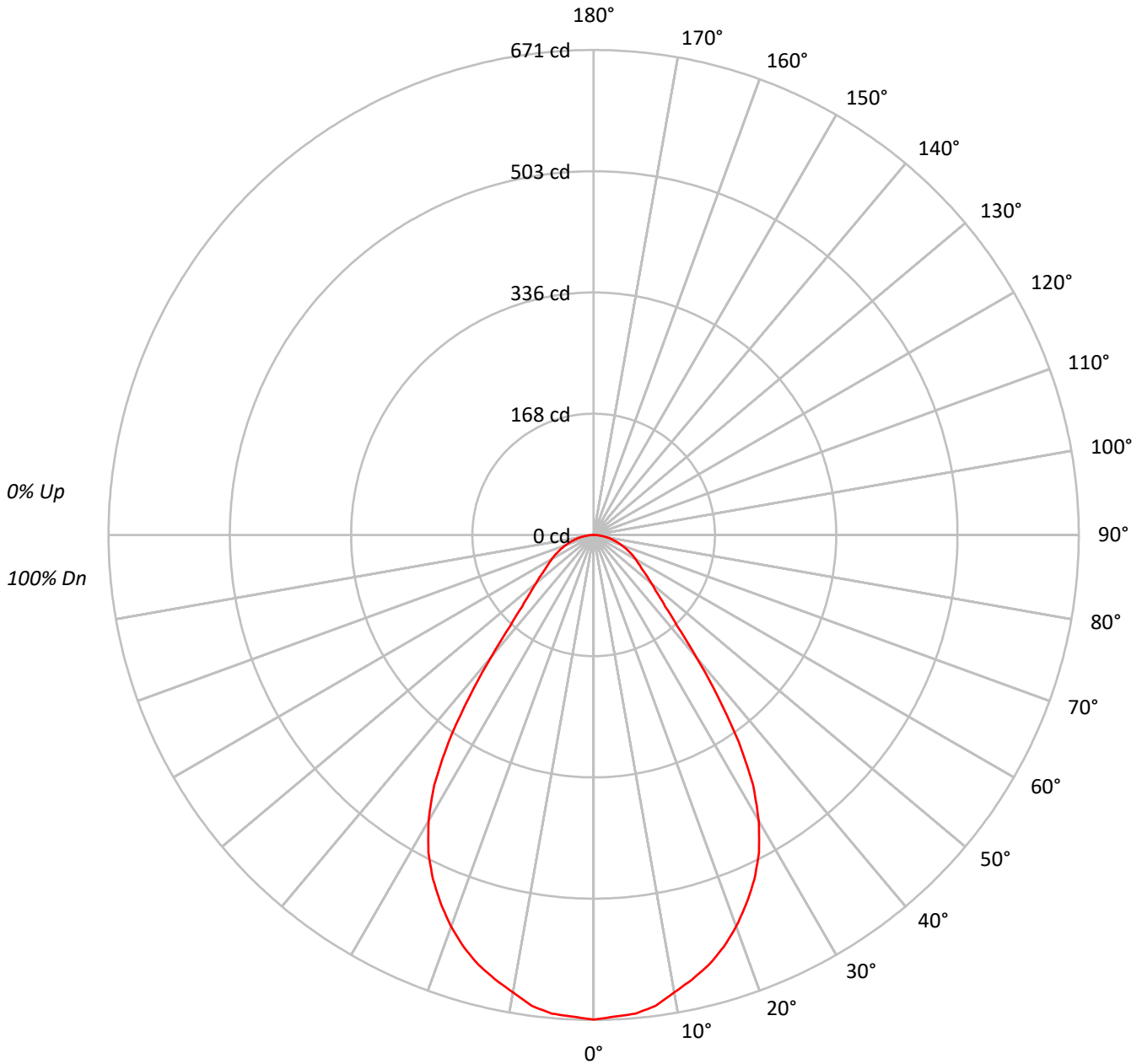
Lumens per Lamp: N/A
Luminaire Lumens: 970.4 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P593080
CATALOG NUMBER: HCC6W10D010BZ-HM60525950-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P593080

CATALOG NUMBER: HCC6W10D010BZ-HM60525950-61NDW

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	50	30	10
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	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36762
5°	36584
10°	35776
15°	34938
20°	33626
25°	31798
30°	28897
35°	23396
40°	15772
45°	10838
50°	8878
55°	7770
60°	7346
65°	6940
70°	6508
75°	6185
80°	5651
85°	4906



TEST NUMBER: P593080
 CATALOG NUMBER: HCC6W10D010BZ-HM60525950-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	6.5
10°-20°	172.9	17.8
20°-30°	240.2	24.7
30°-40°	213.8	22.0
40°-50°	113.5	11.7
50°-60°	74.2	7.6
60°-70°	53.2	5.5
70°-80°	30.8	3.2
80°-90°	9.0	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°	475.8	49.0
0°-40°	689.6	71.1
0°-60°	877.4	90.4
0°-90°	970.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	671	
5°	665	63
15°	616	173
25°	526	240
35°	350	214
45°	140	114
55°	81	74
65°	54	53
75°	29	31
85°	8	9
90°	0	



TEST NUMBER: P593080
CATALOG NUMBER: HCC6W10D010BZ-HM60525950-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	670.6
2.5°	667.0
5°	664.8
7.5°	657.0
10°	642.7
12.5°	629.8
15°	615.6
17.5°	597.8
20°	576.4
22.5°	552.2
25°	525.7
27.5°	495.0
30°	456.5
32.5°	410.1
35°	349.6
37.5°	282.4
40°	220.4
42.5°	171.2
45°	139.8
47.5°	119.1
50°	104.1
52.5°	92.0
55°	81.3
57.5°	73.5
60°	67.0
62.5°	60.7
65°	53.5
67.5°	47.1
70°	40.6
72.5°	35.0
75°	29.2
77.5°	23.5
80°	17.9
82.5°	12.8
85°	7.8
87.5°	3.6
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)