

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: P593152

Luminaire Tested: **HCC6S20D010BZ-HM60525950-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593152
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: HCC6S20D010BZ-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

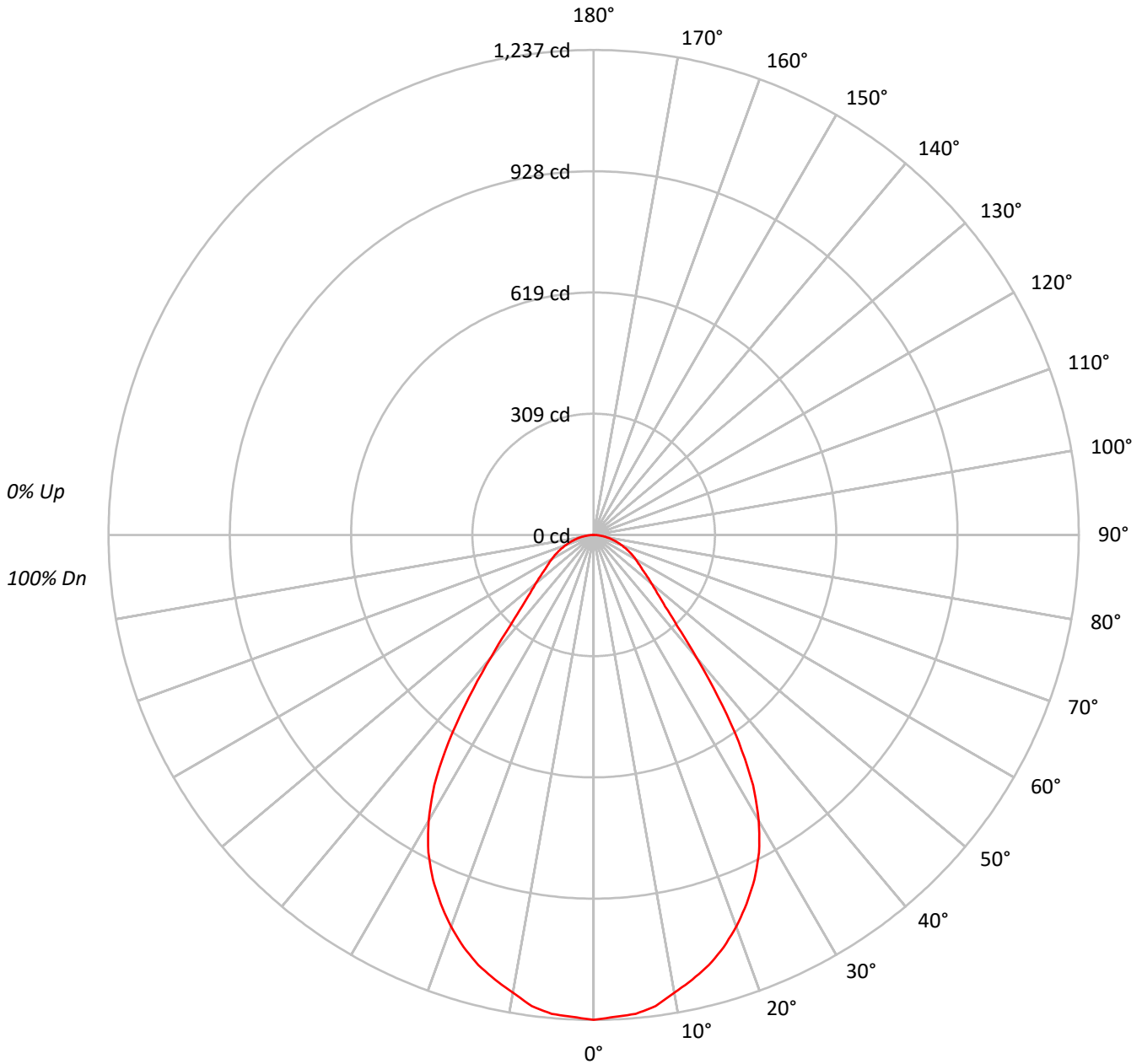
Lumens per Lamp: N/A
Luminaire Lumens: 1790.3 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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: P593152
CATALOG NUMBER: HCC6S20D010BZ-HM60525950-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P593152

CATALOG NUMBER: HCC6S20D010BZ-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	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67807
5°	67488
10°	65997
15°	64450
20°	62025
25°	58661
30°	53312
35°	43152
40°	29097
45°	19994
50°	16392
55°	14336
60°	13563
65°	12803
70°	12021
75°	11416
80°	10386
85°	9120



TEST NUMBER: P593152
 CATALOG NUMBER: HCC6S20D010BZ-HM60525950-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	6.5
10°-20°	318.9	17.8
20°-30°	443.1	24.7
30°-40°	394.5	22.0
40°-50°	209.4	11.7
50°-60°	136.9	7.6
60°-70°	98.1	5.5
70°-80°	56.9	3.2
80°-90°	16.7	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°	877.7	49.0
0°-40°	1272.2	71.1
0°-60°	1618.6	90.4
0°-90°	1790.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1790.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1237	
5°	1226	116
15°	1136	319
25°	970	443
35°	645	394
45°	258	209
55°	150	137
65°	99	98
75°	54	57
85°	14	17
90°	0	



TEST NUMBER: P593152

CATALOG NUMBER: HCC6S20D010BZ-HM60525950-61NDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1236.9
2.5°	1230.3
5°	1226.4
7.5°	1212.0
10°	1185.6
12.5°	1161.9
15°	1135.6
17.5°	1102.7
20°	1063.2
22.5°	1018.5
25°	969.8
27.5°	913.2
30°	842.2
32.5°	756.6
35°	644.8
37.5°	521.1
40°	406.6
42.5°	315.8
45°	257.9
47.5°	219.8
50°	192.2
52.5°	169.7
55°	150.0
57.5°	135.5
60°	123.7
62.5°	111.8
65°	98.7
67.5°	86.9
70°	75.0
72.5°	64.5
75°	53.9
77.5°	43.4
80°	32.9
82.5°	23.7
85°	14.5
87.5°	6.6
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)