

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: P593146

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593146
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: HCC6S20D010BZ-HM60525950-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

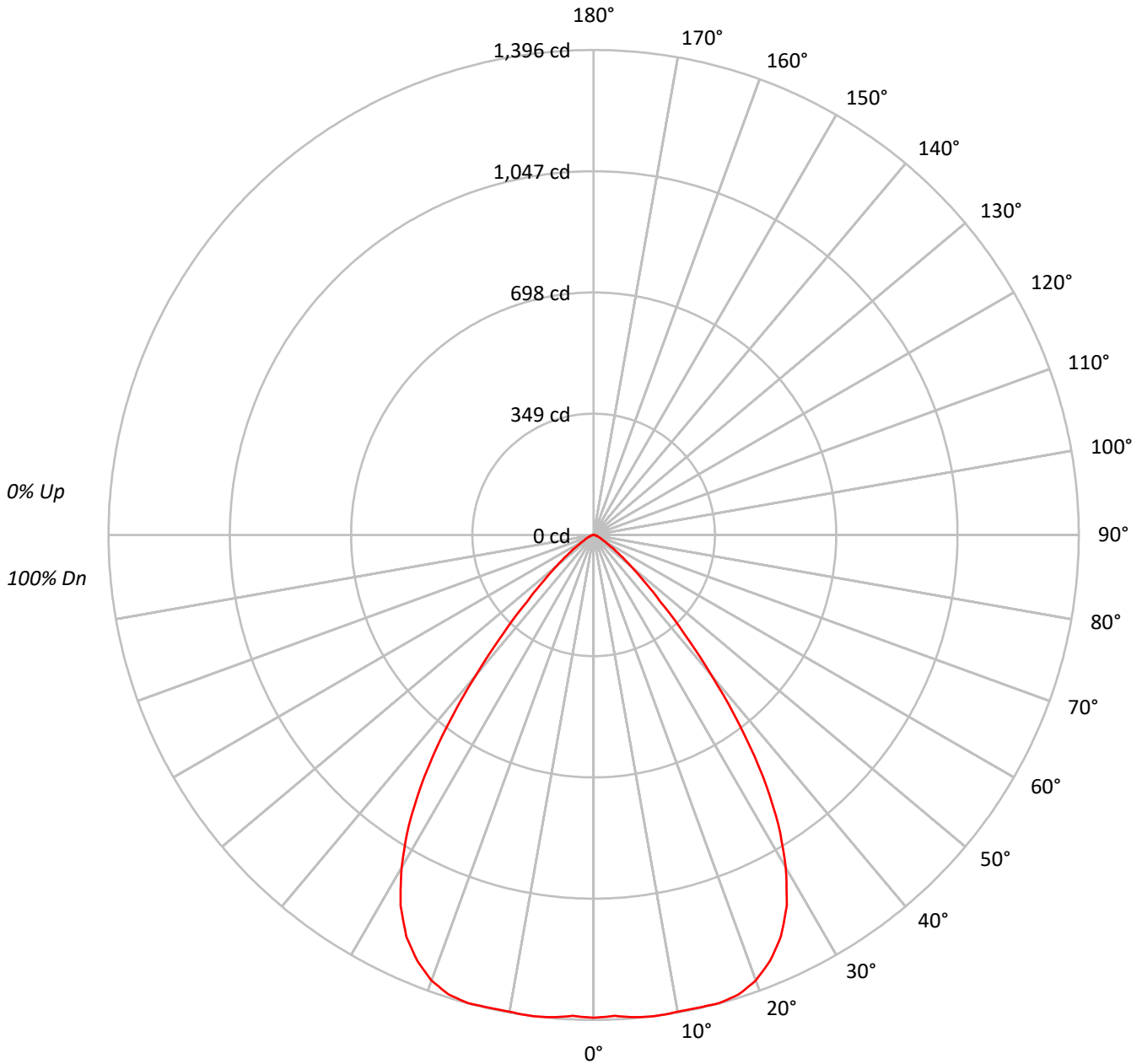
Lumens per Lamp: N/A
Luminaire Lumens: 1945.5 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P593146
CATALOG NUMBER: HCC6S20D010BZ-HM60525950-61WDH

Luminous Intensity Polar Plot





TEST NUMBER: P593146

CATALOG NUMBER: HCC6S20D010BZ-HM60525950-61WDH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76195
5°	76700
10°	77587
15°	79183
20°	79620
25°	77140
30°	69985
35°	56898
40°	37771
45°	21018
50°	11786
55°	6537
60°	3607
65°	2737
70°	1907
75°	1398
80°	821
85°	881



TEST NUMBER: P593146
 CATALOG NUMBER: HCC6S20D010BZ-HM60525950-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	6.8
10°-20°	393.4	20.2
20°-30°	579.8	29.8
30°-40°	518.6	26.7
40°-50°	225.0	11.6
50°-60°	66.1	3.4
60°-70°	21.1	1.1
70°-80°	7.4	0.4
80°-90°	1.1	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°	1106.2	56.9
0°-40°	1624.8	83.5
0°-60°	1915.9	98.5
0°-90°	1945.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1945.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1390	
5°	1394	133
15°	1395	393
25°	1275	580
35°	850	519
45°	271	225
55°	68	66
65°	21	21
75°	7	7
85°	1	1
90°	0	



TEST NUMBER: P593146

CATALOG NUMBER: HCC6S20D010BZ-HM60525950-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1389.9
2.5°	1385.9
5°	1393.8
7.5°	1396.4
10°	1393.8
12.5°	1393.8
15°	1395.2
17.5°	1387.2
20°	1364.8
22.5°	1326.6
25°	1275.3
27.5°	1202.9
30°	1105.6
32.5°	989.8
35°	850.2
37.5°	691.0
40°	527.8
42.5°	385.7
45°	271.1
47.5°	193.5
50°	138.2
52.5°	98.7
55°	68.4
57.5°	46.1
60°	32.9
62.5°	26.3
65°	21.1
67.5°	15.7
70°	11.9
72.5°	9.2
75°	6.6
77.5°	5.2
80°	2.6
82.5°	1.4
85°	1.4
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)