

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: P581898

Luminaire Tested: **HCC6S20D010BZ-HM60525840-61NDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581898  
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-HM60525840-61NDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

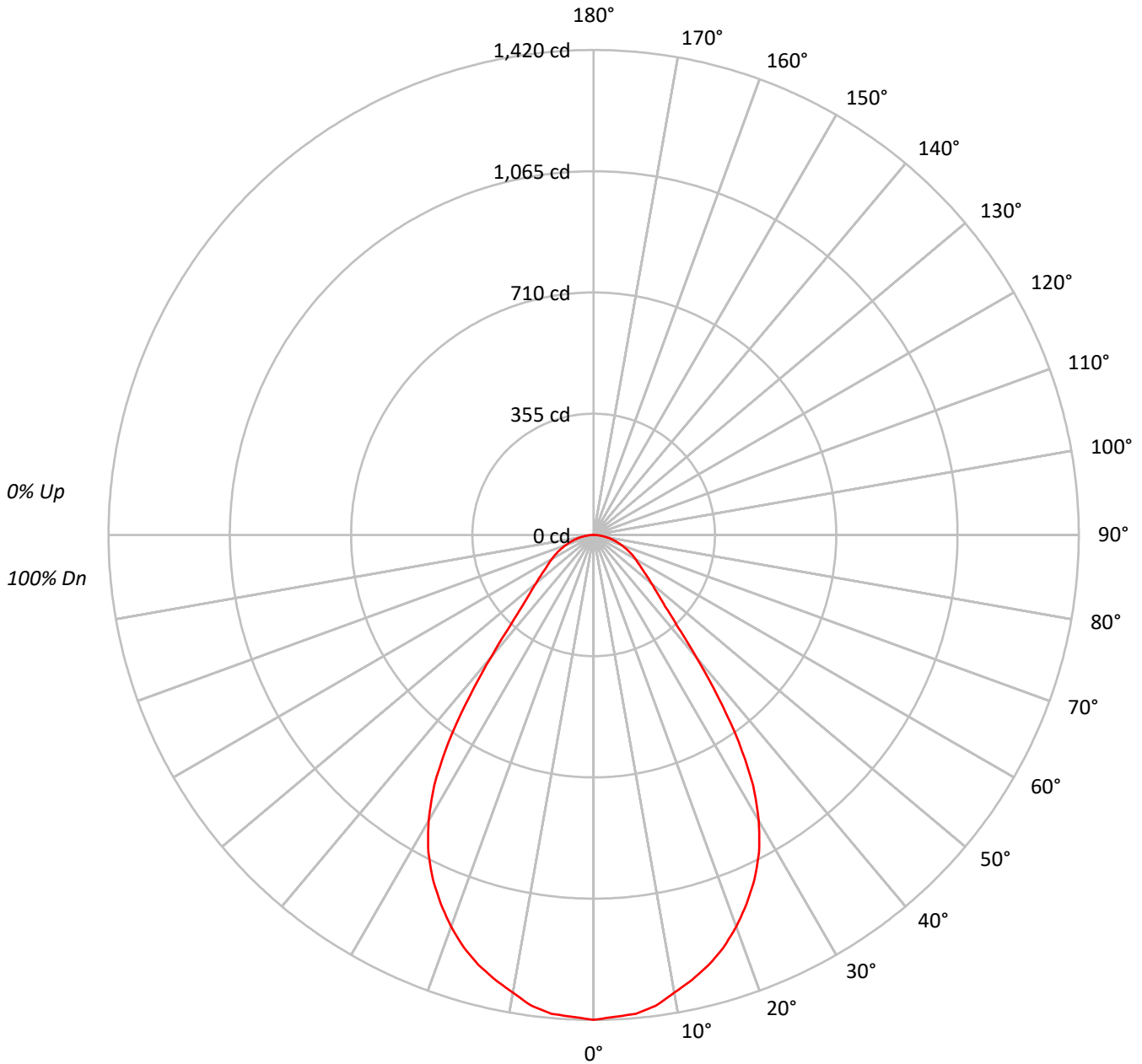
Lumens per Lamp: N/A  
Luminaire Lumens: 2055.0 lumens  
Efficiency: N/A  
Efficacy: 102.7 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P581898  
CATALOG NUMBER: HCC6S20D010BZ-HM60525840-61NDW

### Luminous Intensity Polar Plot





TEST NUMBER: P581898

CATALOG NUMBER: HCC6S20D010BZ-HM60525840-61NDW

**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	0
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°	77834
5°	77460
10°	75750
15°	73973
20°	71196
25°	67335
30°	61187
35°	49530
40°	33398
45°	22956
50°	18805
55°	16458
60°	15569
65°	14697
70°	13800
75°	13132
80°	11902
85°	10504



TEST NUMBER: P581898  
 CATALOG NUMBER: HCC6S20D010BZ-HM60525840-61NDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.9	6.5
10°-20°	366.0	17.8
20°-30°	508.5	24.7
30°-40°	452.8	22.0
40°-50°	240.3	11.7
50°-60°	157.2	7.7
60°-70°	112.7	5.5
70°-80°	65.4	3.2
80°-90°	19.1	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°	1007.5	49.0
0°-40°	1460.2	71.1
0°-60°	1857.8	90.4
0°-90°	2055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2055.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1420	
5°	1408	133
15°	1303	366
25°	1113	509
35°	740	453
45°	296	240
55°	172	157
65°	113	113
75°	62	65
85°	17	19
90°	0	



TEST NUMBER: P581898  
CATALOG NUMBER: HCC6S20D010BZ-HM60525840-61NDW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1419.8
2.5°	1412.2
5°	1407.6
7.5°	1391.0
10°	1360.8
12.5°	1333.7
15°	1303.4
17.5°	1265.7
20°	1220.4
22.5°	1169.0
25°	1113.2
27.5°	1048.1
30°	966.6
32.5°	868.4
35°	740.1
37.5°	598.1
40°	466.7
42.5°	362.4
45°	296.1
47.5°	252.2
50°	220.5
52.5°	194.9
55°	172.2
57.5°	155.6
60°	142.0
62.5°	128.4
65°	113.3
67.5°	99.7
70°	86.1
72.5°	74.0
75°	62.0
77.5°	49.9
80°	37.7
82.5°	27.2
85°	16.7
87.5°	7.6
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)