

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: P581859

Luminaire Tested: **HCC6S20D010MB-HM60525830-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S20D010MB-HM60525830-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

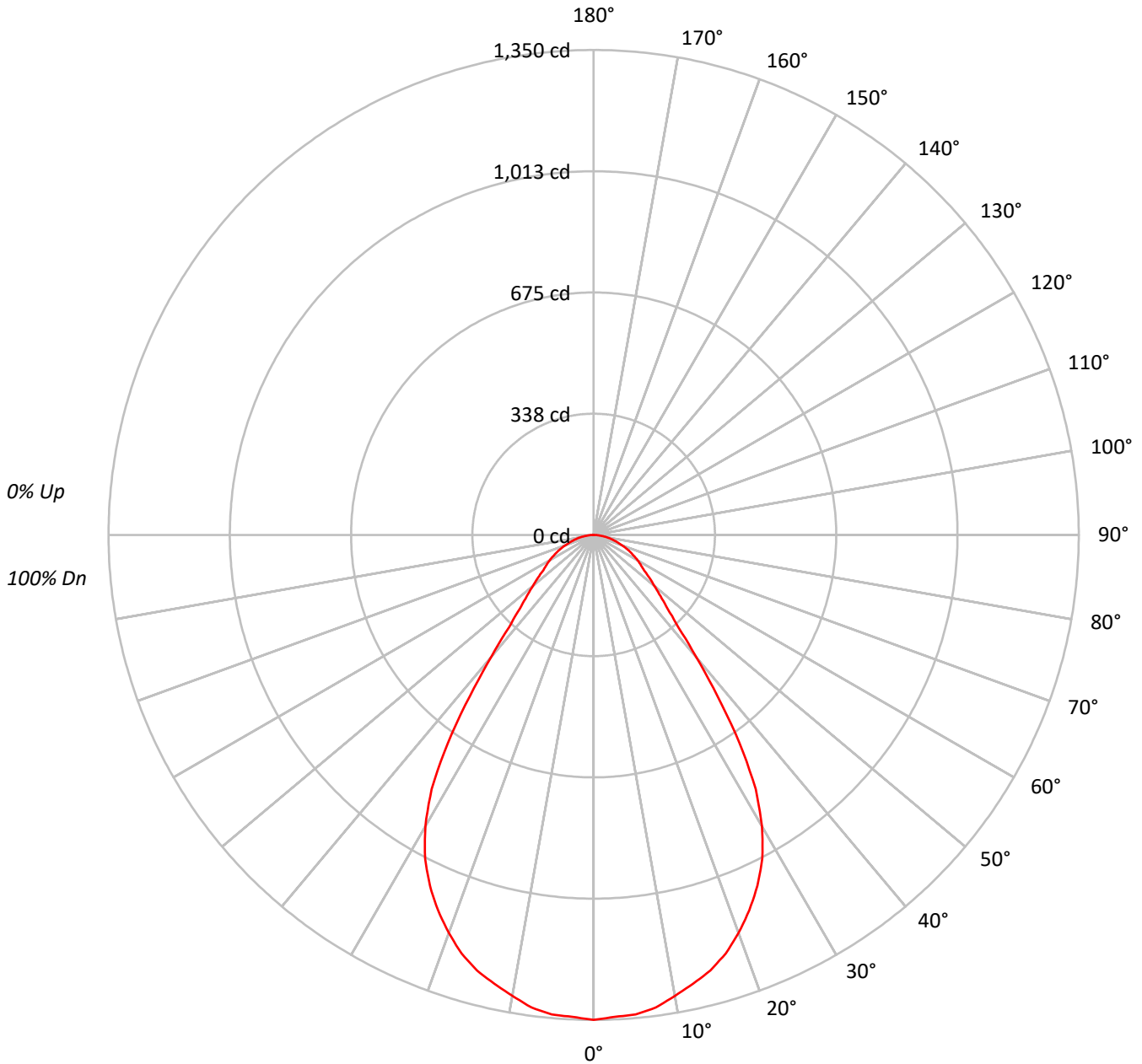
Lumens per Lamp: N/A
Luminaire Lumens: 1988.2 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581859
CATALOG NUMBER: HCC6S20D010MB-HM60525830-61MDW

Luminous Intensity Polar Plot



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



TEST NUMBER: P581859

CATALOG NUMBER: HCC6S20D010MB-HM60525830-61MDW

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
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74007
5°	73734
10°	72505
15°	71226
20°	68769
25°	65199
30°	59313
35°	47388
40°	31624
45°	22537
50°	18788
55°	16372
60°	15470
65°	14567
70°	13384
75°	12497
80°	11365
85°	10001



TEST NUMBER: P581859
 CATALOG NUMBER: HCC6S20D010MB-HM60525830-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	6.4
10°-20°	352.4	17.7
20°-30°	492.4	24.8
30°-40°	433.8	21.8
40°-50°	234.4	11.8
50°-60°	156.7	7.9
60°-70°	111.1	5.6
70°-80°	62.4	3.1
80°-90°	18.3	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°	971.5	48.9
0°-40°	1405.3	70.7
0°-60°	1796.4	90.4
0°-90°	1988.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1988.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1350	
5°	1340	127
15°	1255	352
25°	1078	492
35°	708	434
45°	291	234
55°	171	157
65°	112	111
75°	59	62
85°	16	18
90°	0	



TEST NUMBER: P581859
CATALOG NUMBER: HCC6S20D010MB-HM60525830-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1350.0
2.5°	1342.8
5°	1339.9
7.5°	1327.0
10°	1302.5
12.5°	1279.5
15°	1255.0
17.5°	1221.9
20°	1178.8
22.5°	1131.2
25°	1077.9
27.5°	1016.1
30°	937.0
32.5°	839.1
35°	708.1
37.5°	565.6
40°	441.9
42.5°	348.3
45°	290.7
47.5°	251.9
50°	220.3
52.5°	194.3
55°	171.3
57.5°	155.4
60°	141.1
62.5°	126.7
65°	112.3
67.5°	97.9
70°	83.5
72.5°	70.5
75°	59.0
77.5°	47.5
80°	36.0
82.5°	25.9
85°	15.9
87.5°	7.3
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)