

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: P581880

Luminaire Tested: **HCC6W20D010BZ-HM60525835-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581880
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: HCC6W20D010BZ-HM60525835-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

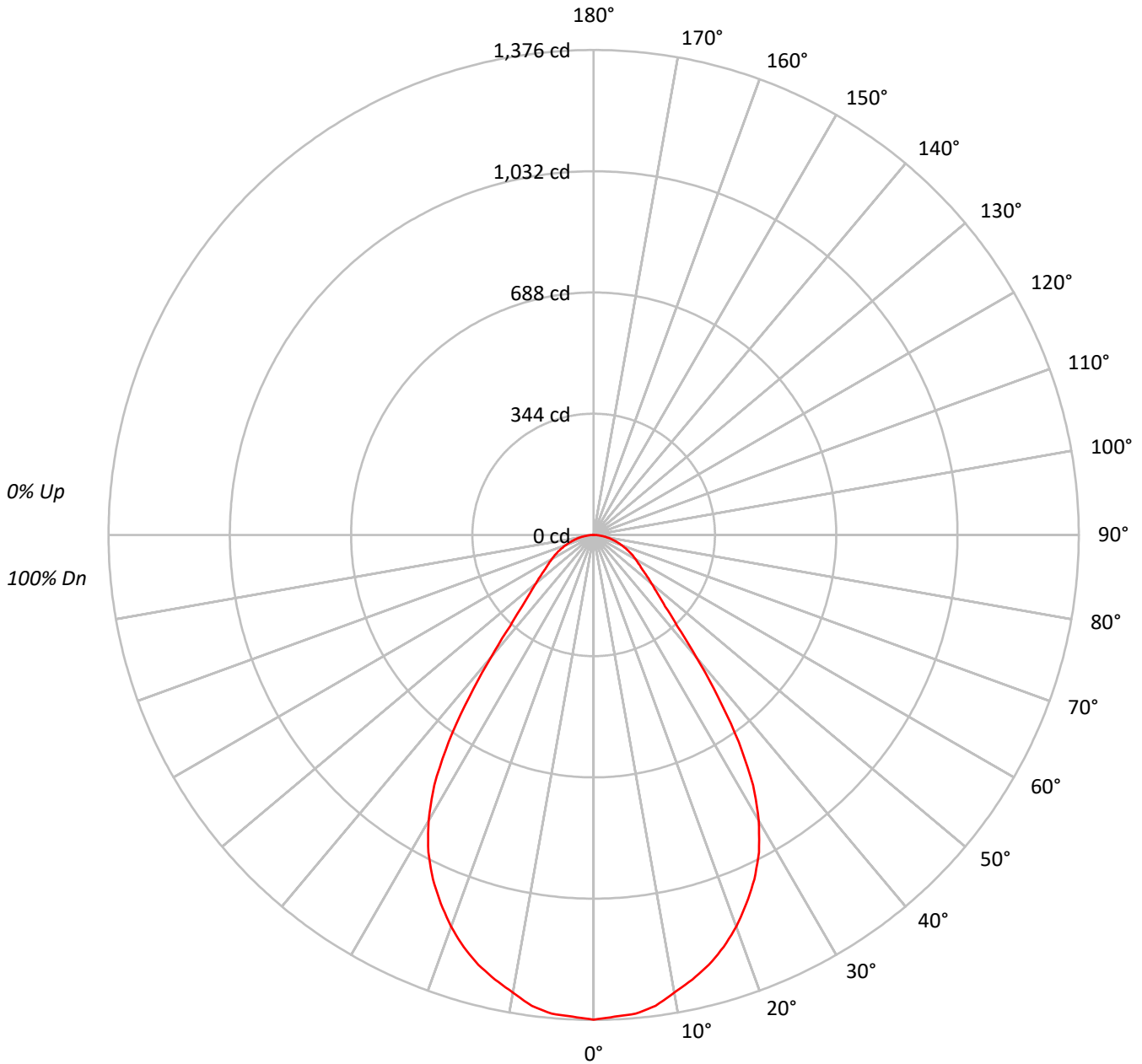
Lumens per Lamp: N/A
Luminaire Lumens: 1990.8 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581880
CATALOG NUMBER: HCC6W20D010BZ-HM60525835-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P581880
 CATALOG NUMBER: HCC6W20D010BZ-HM60525835-61NDW

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	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	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75405
5°	75044
10°	73390
15°	71663
20°	68973
25°	65230
30°	59275
35°	47984
40°	32361
45°	22235
50°	18225
55°	15942
60°	15076
65°	14243
70°	13368
75°	12687
80°	11555
85°	10127



TEST NUMBER: P581880
 CATALOG NUMBER: HCC6W20D010BZ-HM60525835-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	6.5
10°-20°	354.6	17.8
20°-30°	492.7	24.7
30°-40°	438.7	22.0
40°-50°	232.9	11.7
50°-60°	152.3	7.6
60°-70°	109.1	5.5
70°-80°	63.3	3.2
80°-90°	18.5	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°	976.0	49.0
0°-40°	1414.7	71.1
0°-60°	1799.8	90.4
0°-90°	1990.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1990.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1376	
5°	1364	129
15°	1263	355
25°	1078	493
35°	717	439
45°	287	233
55°	167	152
65°	110	109
75°	60	63
85°	16	19
90°	0	



TEST NUMBER: P581880
CATALOG NUMBER: HCC6W20D010BZ-HM60525835-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1375.5
2.5°	1368.1
5°	1363.7
7.5°	1347.6
10°	1318.4
12.5°	1292.1
15°	1262.7
17.5°	1226.1
20°	1182.3
22.5°	1132.5
25°	1078.4
27.5°	1015.5
30°	936.4
32.5°	841.4
35°	717.0
37.5°	579.4
40°	452.2
42.5°	351.1
45°	286.8
47.5°	244.4
50°	213.7
52.5°	188.8
55°	166.8
57.5°	150.7
60°	137.5
62.5°	124.4
65°	109.8
67.5°	96.5
70°	83.4
72.5°	71.7
75°	59.9
77.5°	48.3
80°	36.6
82.5°	26.3
85°	16.1
87.5°	7.4
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)