

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: P581977

Luminaire Tested: **HCC6W20D010MB-HM60525940-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010MB-HM60525940-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

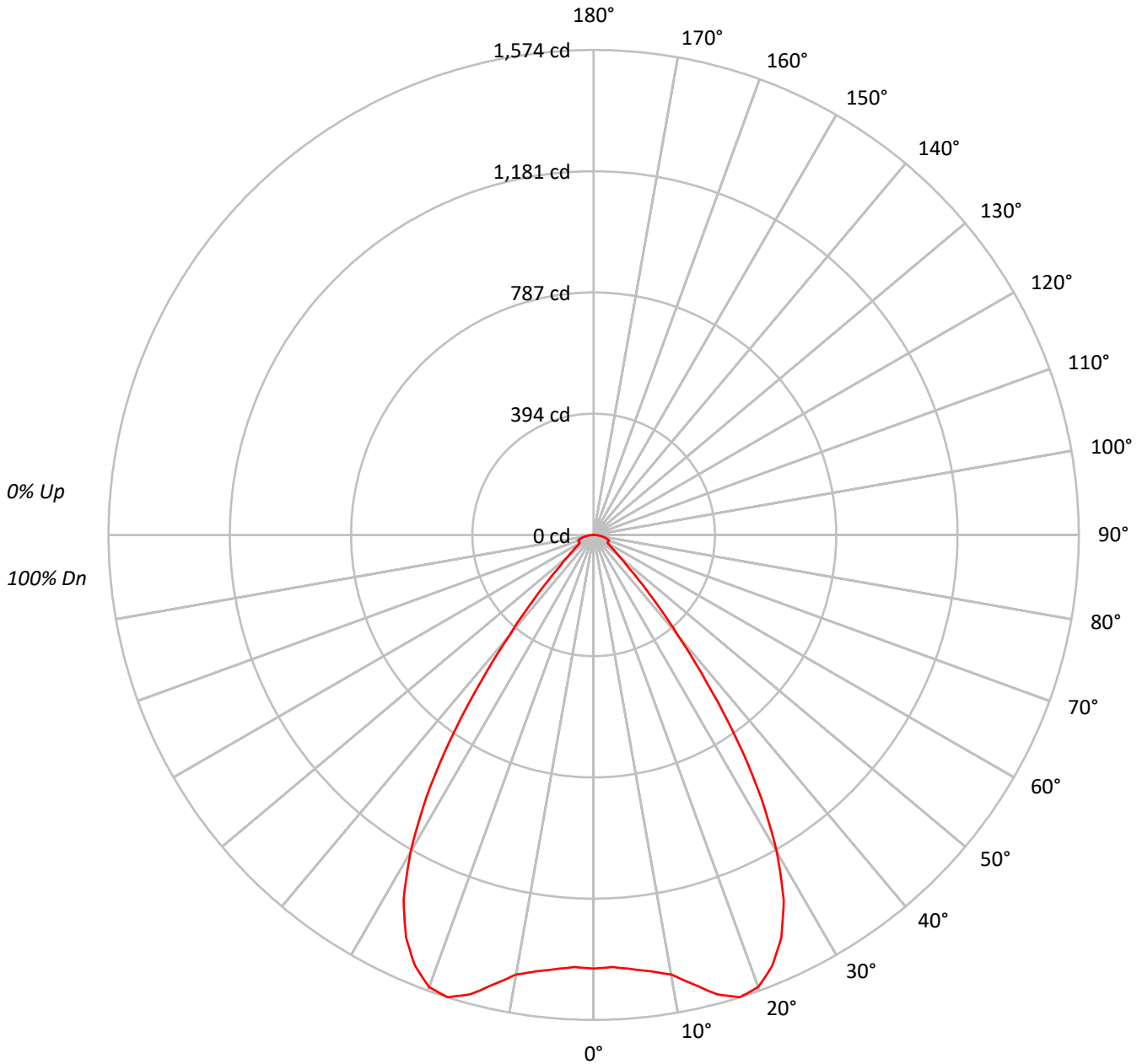
Lumens per Lamp: N/A
Luminaire Lumens: 2069.1 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581977
CATALOG NUMBER: HCC6W20D010MB-HM60525940-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P581977

CATALOG NUMBER: HCC6W20D010MB-HM60525940-61WDWB

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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77176
5°	77828
10°	80632
15°	87588
20°	91101
25°	87138
30°	75208
35°	54147
40°	30500
45°	15808
50°	9424
55°	6786
60°	5767
65°	6654
70°	8431
75°	8917
80°	8713
85°	8240



TEST NUMBER: P581977
 CATALOG NUMBER: HCC6W20D010MB-HM60525940-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	6.6
10°-20°	435.3	21.0
20°-30°	650.6	31.4
30°-40°	497.3	24.0
40°-50°	173.7	8.4
50°-60°	66.2	3.2
60°-70°	51.9	2.5
70°-80°	43.9	2.1
80°-90°	14.1	0.7
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°	1221.9	59.1
0°-40°	1719.3	83.1
0°-60°	1959.1	94.7
0°-90°	2069.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2069.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1408	
5°	1414	136
15°	1543	435
25°	1441	651
35°	809	497
45°	204	174
55°	71	66
65°	51	52
75°	42	44
85°	13	14
90°	0	



TEST NUMBER: P581977

CATALOG NUMBER: HCC6W20D010MB-HM60525940-61WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1407.8
2.5°	1403.8
5°	1414.3
7.5°	1428.8
10°	1448.5
12.5°	1493.3
15°	1543.3
17.5°	1573.5
20°	1561.6
22.5°	1514.3
25°	1440.6
27.5°	1335.4
30°	1188.1
32.5°	1011.8
35°	809.1
37.5°	599.9
40°	426.2
42.5°	298.7
45°	203.9
47.5°	143.4
50°	110.5
52.5°	86.8
55°	71.0
57.5°	57.9
60°	52.6
62.5°	51.3
65°	51.3
67.5°	53.9
70°	52.6
72.5°	48.7
75°	42.1
77.5°	35.6
80°	27.6
82.5°	19.7
85°	13.1
87.5°	5.2
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)