

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: P581959

Luminaire Tested: **HCC6W20D010MW-HM60525935-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581959
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: HCC6W20D010MW-HM60525935-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

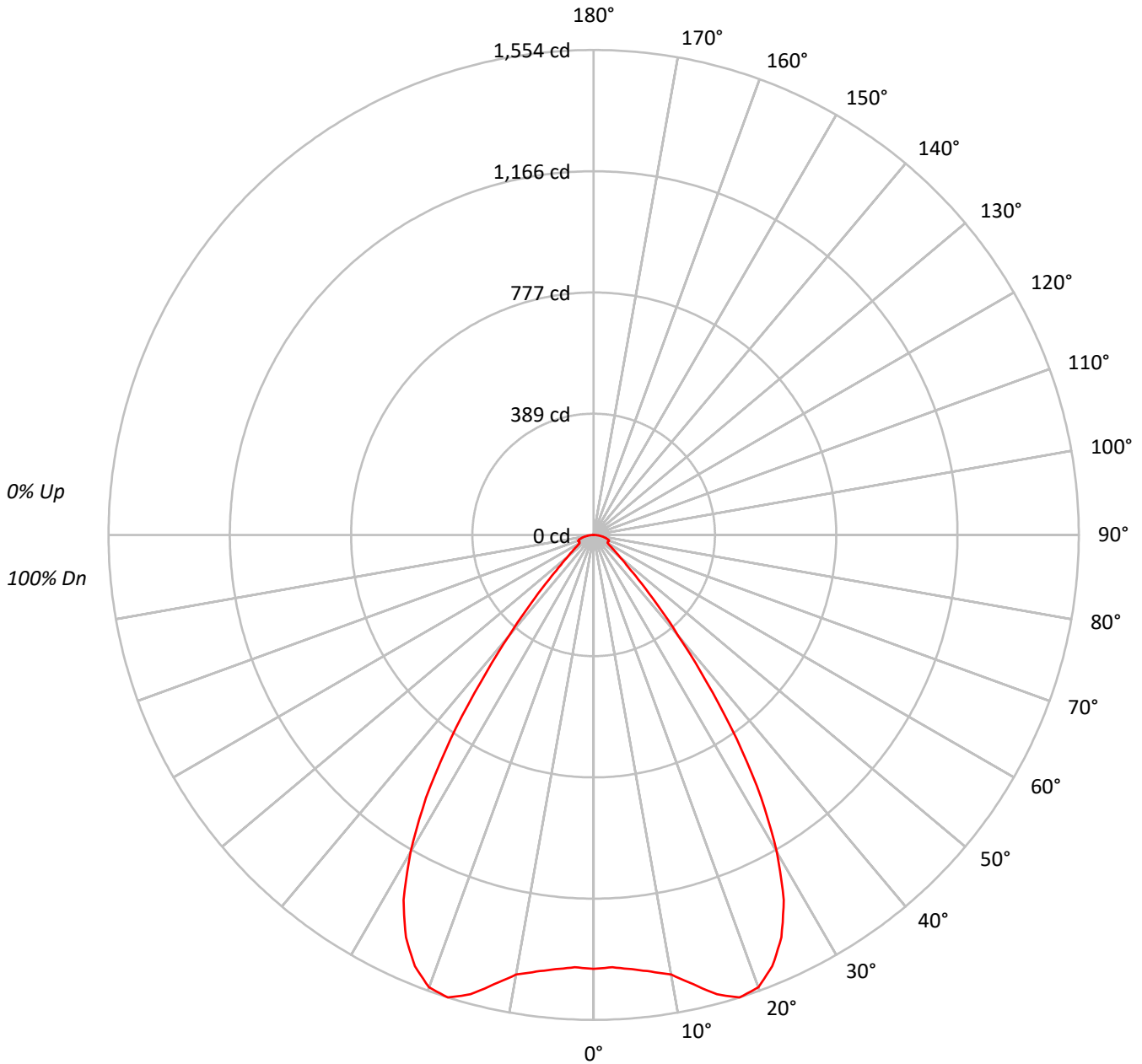
Lumens per Lamp: N/A
Luminaire Lumens: 2043.5 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581959
CATALOG NUMBER: HCC6W20D010MW-HM60525935-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P581959
 CATALOG NUMBER: HCC6W20D010MW-HM60525935-61WDWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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	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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91																											
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82																											
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75																											
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69																											
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63																											
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58																											
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54																											
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50																											
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46																											
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76216
5°	76865
10°	79636
15°	86499
20°	89981
25°	86061
30°	74271
35°	53478
40°	30128
45°	15614
50°	9305
55°	6700
60°	5701
65°	6564
70°	8335
75°	8811
80°	8619
85°	8177



TEST NUMBER: P581959
 CATALOG NUMBER: HCC6W20D010MW-HM60525935-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	6.6
10°-20°	429.9	21.0
20°-30°	642.5	31.4
30°-40°	491.2	24.0
40°-50°	171.5	8.4
50°-60°	65.4	3.2
60°-70°	51.3	2.5
70°-80°	43.4	2.1
80°-90°	14.0	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°	1206.8	59.1
0°-40°	1698.0	83.1
0°-60°	1934.9	94.7
0°-90°	2043.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2043.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1390	
5°	1397	134
15°	1524	430
25°	1423	643
35°	799	491
45°	201	172
55°	70	65
65°	51	51
75°	42	43
85°	13	14
90°	0	



TEST NUMBER: P581959
CATALOG NUMBER: HCC6W20D010MW-HM60525935-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1390.3
2.5°	1386.5
5°	1396.8
7.5°	1411.2
10°	1430.6
12.5°	1474.8
15°	1524.1
17.5°	1554.0
20°	1542.4
22.5°	1495.6
25°	1422.8
27.5°	1318.8
30°	1173.3
32.5°	999.2
35°	799.1
37.5°	592.6
40°	421.0
42.5°	294.9
45°	201.4
47.5°	141.6
50°	109.1
52.5°	85.8
55°	70.1
57.5°	57.2
60°	52.0
62.5°	50.6
65°	50.6
67.5°	53.3
70°	52.0
72.5°	48.0
75°	41.6
77.5°	35.1
80°	27.3
82.5°	19.5
85°	13.0
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)