

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: P582181

Luminaire Tested: **HCC6S30D010MW-HM63040840-61MDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S30D010MW-HM63040840-61MDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

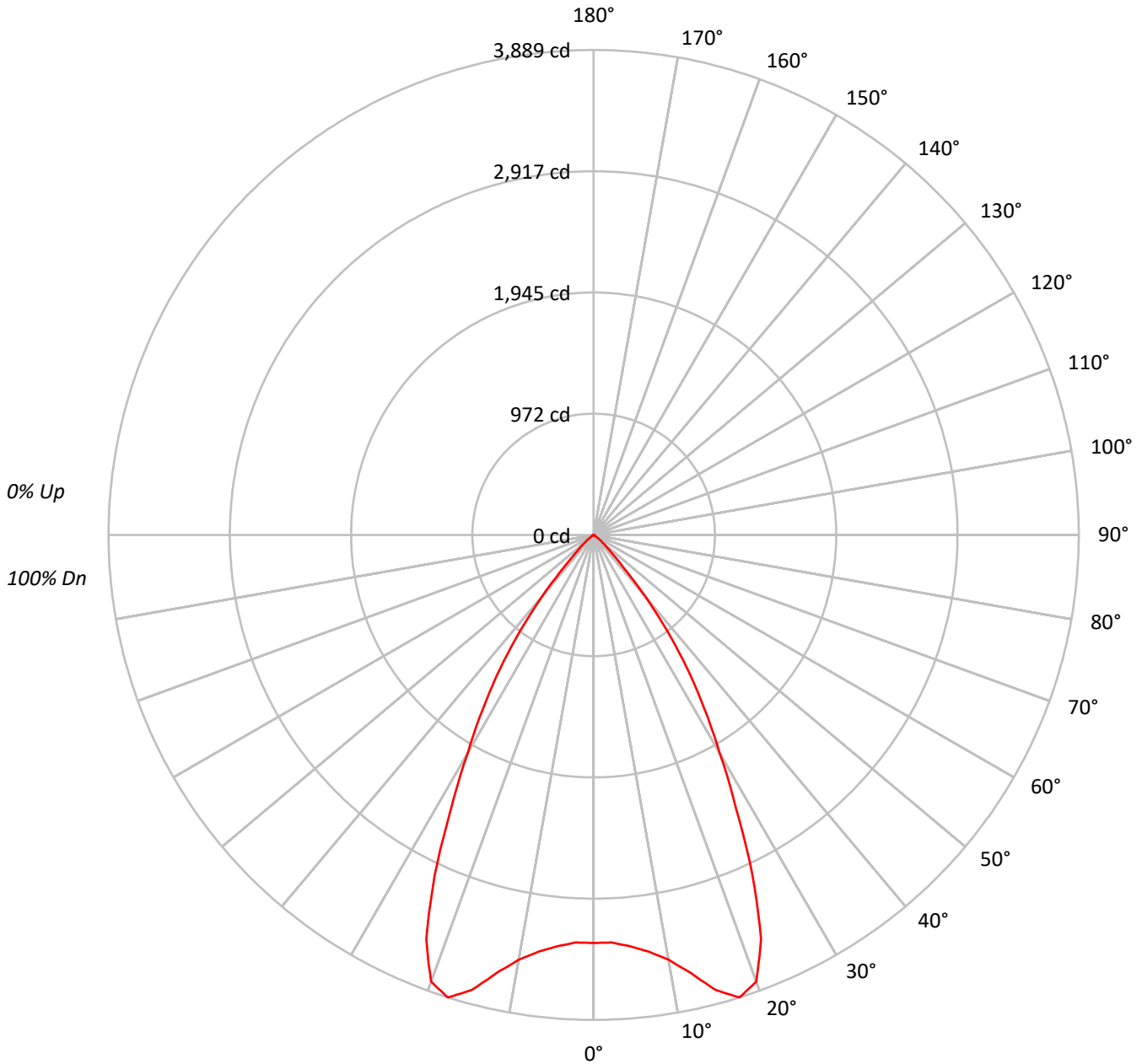
Lumens per Lamp: N/A
Luminaire Lumens: 3776.5 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P582181
CATALOG NUMBER: HCC6S30D010MW-HM63040840-61MDC

Luminous Intensity Polar Plot





TEST NUMBER: P582181
 CATALOG NUMBER: HCC6S30D010MW-HM63040840-61MDC

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79		84	81	78		83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74	70	67	65
7	83	74	68	64	82	73	68	63	72	67	63		71	66	63		70	66	62	61
8	79	70	63	59	78	69	63	59	68	63	59		67	62	59		66	62	58	57
9	75	66	60	56	74	65	59	55	64	59	55		63	58	55		62	58	55	54
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59	55	52	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	179339
5°	182131
10°	192504
15°	214337
20°	222281
25°	182375
30°	127792
35°	87187
40°	45421
45°	15963
50°	7147
55°	2284
60°	1316
65°	921
70°	769
75°	508
80°	0
85°	0



TEST NUMBER: P582181
 CATALOG NUMBER: HCC6S30D010MW-HM63040840-61MDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.6	8.5
10°-20°	1062.1	28.1
20°-30°	1352.4	35.8
30°-40°	806.0	21.3
40°-50°	195.4	5.2
50°-60°	30.0	0.8
60°-70°	7.4	0.2
70°-80°	2.5	0.1
80°-90°	0.0	0.0
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°	2735.1	72.4
0°-40°	3541.1	93.8
0°-60°	3766.6	99.7
0°-90°	3776.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3776.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3271	
5°	3310	321
15°	3777	1062
25°	3015	1352
35°	1303	806
45°	206	195
55°	24	30
65°	7	7
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P582181

CATALOG NUMBER: HCC6S30D010MW-HM63040840-61MDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	3271.4
2.5°	3271.4
5°	3309.7
7.5°	3369.5
10°	3458.2
12.5°	3597.1
15°	3776.6
17.5°	3889.2
20°	3810.2
22.5°	3506.0
25°	3015.1
27.5°	2473.8
30°	2018.8
32.5°	1650.1
35°	1302.8
37.5°	960.4
40°	634.7
42.5°	342.4
45°	205.9
47.5°	129.4
50°	83.8
52.5°	50.3
55°	23.9
57.5°	14.4
60°	12.0
62.5°	9.6
65°	7.1
67.5°	4.8
70°	4.8
72.5°	2.4
75°	2.4
77.5°	2.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)