

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: P582313

Luminaire Tested: **HCC6W35D010SL-HM63040835-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W35D010SL-HM63040835-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

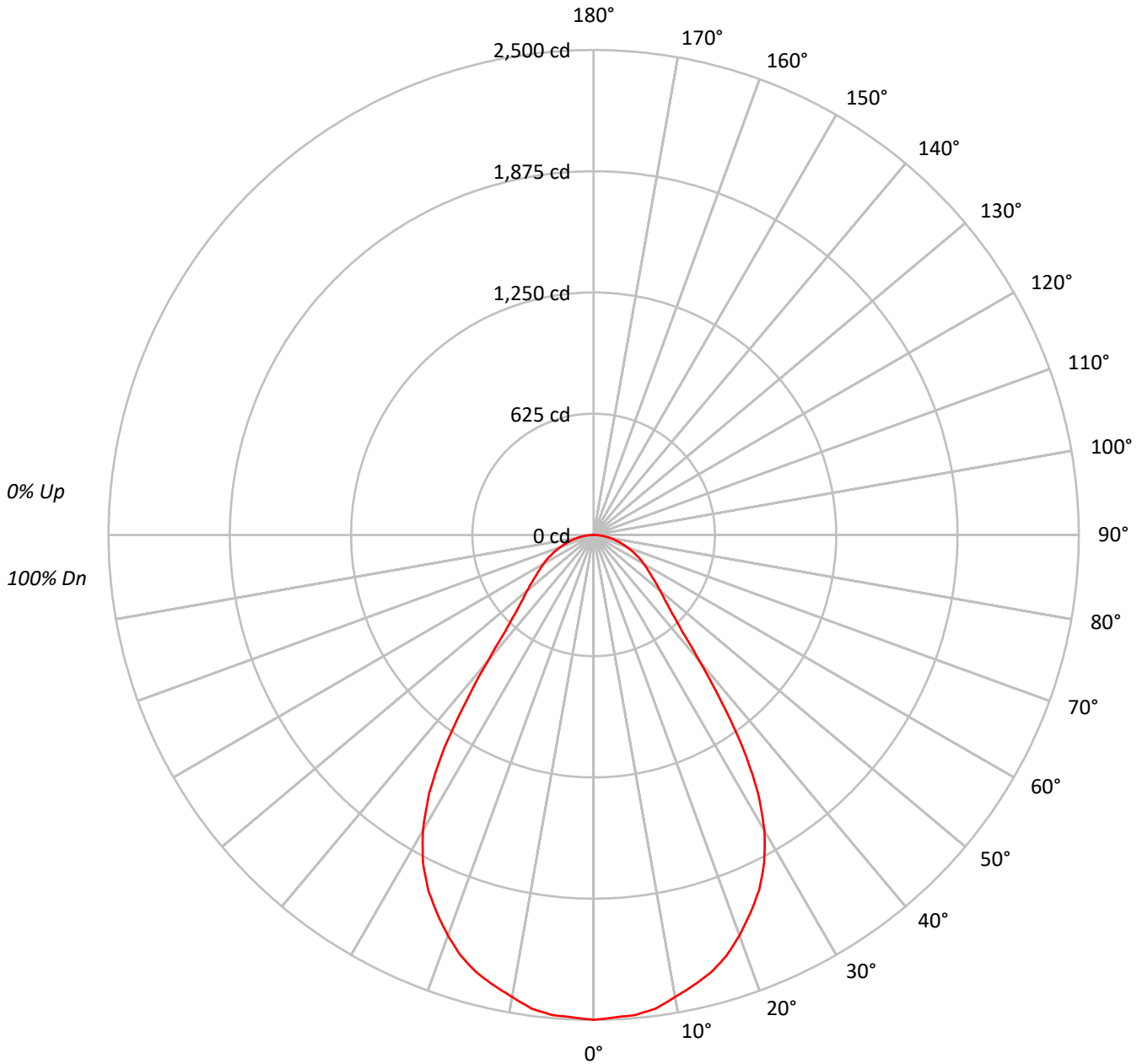
Lumens per Lamp: N/A
Luminaire Lumens: 3834.3 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P582313
CATALOG NUMBER: HCC6W35D010SL-HM63040835-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P582313

CATALOG NUMBER: HCC6W35D010SL-HM63040835-61PSMDW

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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137045
5°	136677
10°	134639
15°	132509
20°	128146
25°	122057
30°	111441
35°	89730
40°	60470
45°	44098
50°	38122
55°	34436
60°	32662
65°	30911
70°	29091
75°	27535
80°	25635
85°	23839



TEST NUMBER: P582313
 CATALOG NUMBER: HCC6W35D010SL-HM63040835-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.1	6.1
10°-20°	655.6	17.1
20°-30°	921.2	24.0
30°-40°	820.0	21.4
40°-50°	458.2	12.0
50°-60°	326.5	8.5
60°-70°	237.5	6.2
70°-80°	137.5	3.6
80°-90°	42.7	1.1
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°	1811.9	47.3
0°-40°	2631.9	68.6
0°-60°	3416.6	89.1
0°-90°	3834.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3834.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2500	
5°	2484	235
15°	2335	656
25°	2018	921
35°	1341	820
45°	569	458
55°	360	326
65°	238	238
75°	130	138
85°	38	43
90°	0	



TEST NUMBER: P582313
CATALOG NUMBER: HCC6W35D010SL-HM63040835-61PSMDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2499.9
2.5°	2489.2
5°	2483.7
7.5°	2462.0
10°	2418.7
12.5°	2378.1
15°	2334.8
17.5°	2275.2
20°	2196.6
22.5°	2109.9
25°	2017.9
27.5°	1904.1
30°	1760.5
32.5°	1576.4
35°	1340.8
37.5°	1075.3
40°	845.0
42.5°	674.4
45°	568.8
47.5°	498.4
50°	447.0
52.5°	400.9
55°	360.3
57.5°	327.7
60°	297.9
62.5°	270.9
65°	238.3
67.5°	211.2
70°	181.5
72.5°	154.4
75°	130.0
77.5°	105.6
80°	81.2
82.5°	59.6
85°	37.9
87.5°	18.9
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)