

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: P582311

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W35D010SL-HM63040835-61NDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

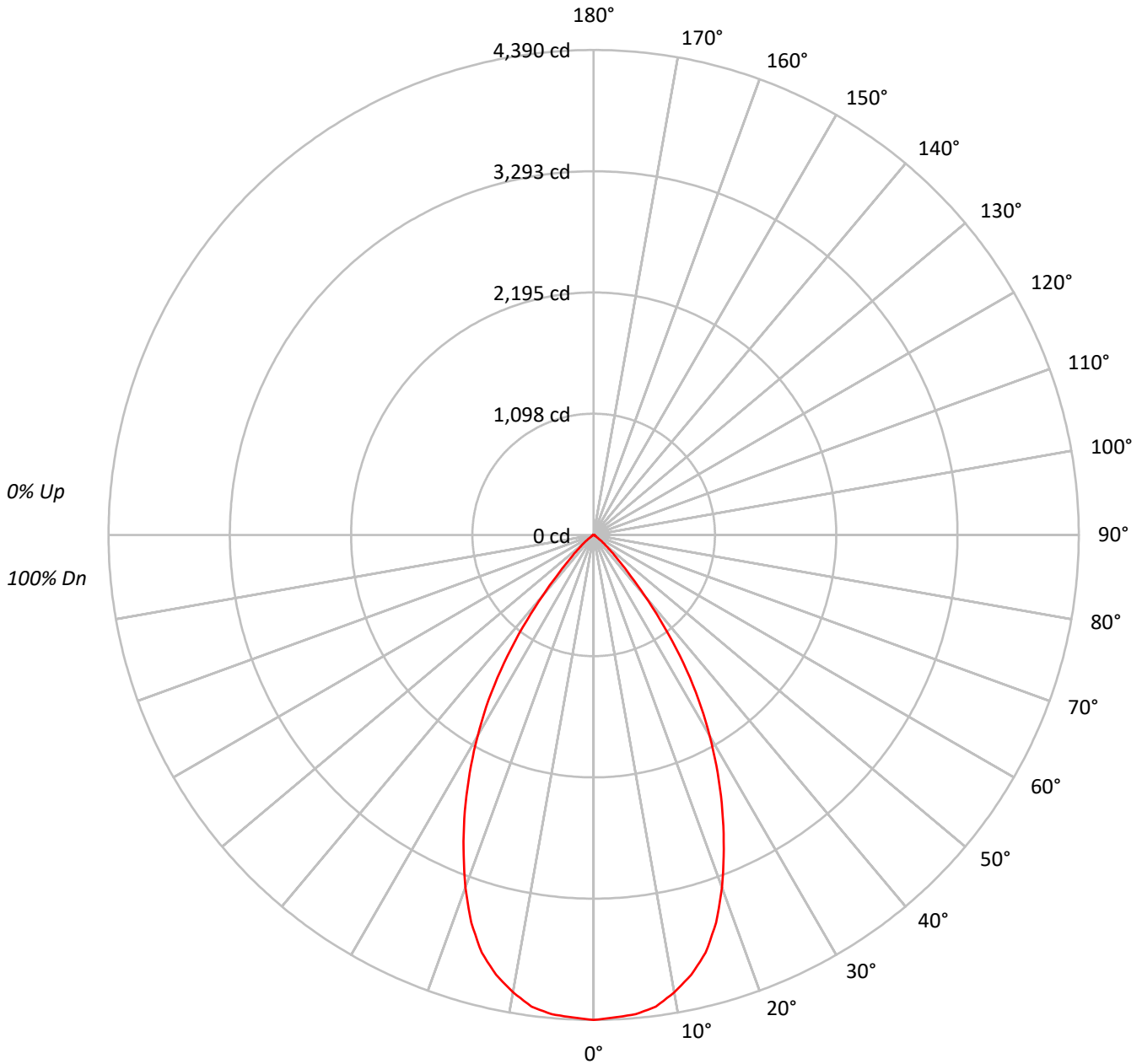
Lumens per Lamp: N/A
Luminaire Lumens: 3931.9 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582311
CATALOG NUMBER: HCC6W35D010SL-HM63040835-61NDH

Luminous Intensity Polar Plot





TEST NUMBER: P582311
 CATALOG NUMBER: HCC6W35D010SL-HM63040835-61NDH

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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	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	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	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	67	63	72	67	63	71	66	63	70	66	62	61
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	240688
5°	239676
10°	234003
15°	222130
20°	197989
25°	166782
30°	132875
35°	94803
40°	50974
45°	21839
50°	9936
55°	3622
60°	1776
65°	1414
70°	1314
75°	572
80°	852
85°	0



TEST NUMBER: P582311
 CATALOG NUMBER: HCC6W35D010SL-HM63040835-61NDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.1	10.5
10°-20°	1084.9	27.6
20°-30°	1256.5	32.0
30°-40°	868.8	22.1
40°-50°	250.9	6.4
50°-60°	43.2	1.1
60°-70°	11.1	0.3
70°-80°	4.3	0.1
80°-90°	1.1	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°	2752.6	70.0
0°-40°	3621.4	92.1
0°-60°	3915.5	99.6
0°-90°	3931.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3931.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4390	
5°	4355	411
15°	3914	1085
25°	2757	1257
35°	1417	869
45°	282	251
55°	38	43
65°	11	11
75°	3	4
85°	0	1
90°	0	



TEST NUMBER: P582311
CATALOG NUMBER: HCC6W35D010SL-HM63040835-61NDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4390.5
2.5°	4371.6
5°	4355.4
7.5°	4306.6
10°	4203.7
12.5°	4079.0
15°	3913.9
17.5°	3681.0
20°	3393.8
22.5°	3076.9
25°	2757.3
27.5°	2429.6
30°	2099.1
32.5°	1768.7
35°	1416.6
37.5°	1050.9
40°	712.3
42.5°	449.6
45°	281.7
47.5°	181.5
50°	116.5
52.5°	70.4
55°	37.9
57.5°	21.7
60°	16.2
62.5°	13.5
65°	10.9
67.5°	8.2
70°	8.2
72.5°	5.4
75°	2.7
77.5°	2.7
80°	2.7
82.5°	2.7
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)