

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: P582284

Luminaire Tested: **HCC6S35D010MB-HM63040827-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582284
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: HCC6S35D010MB-HM63040827-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

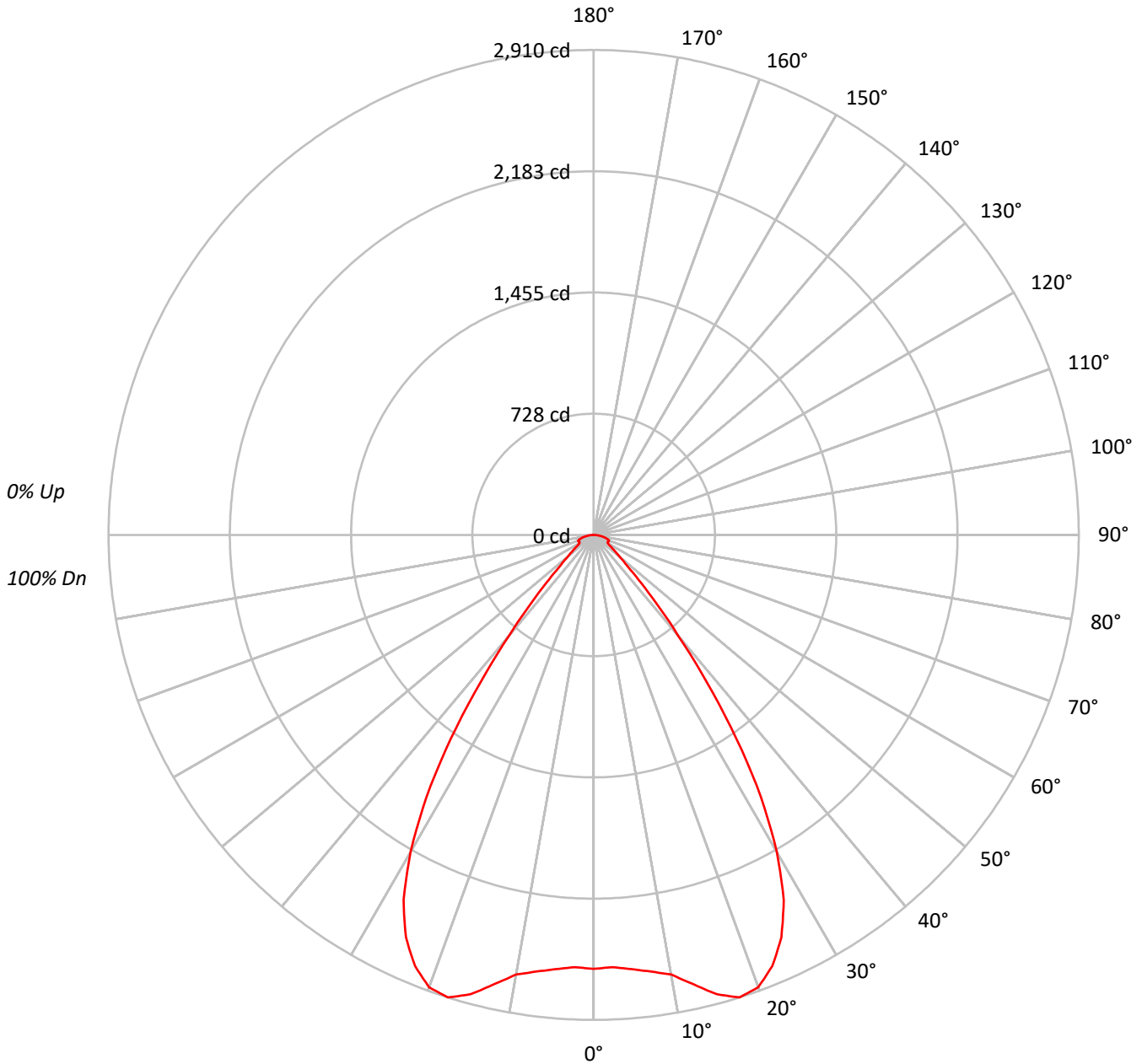
Lumens per Lamp: N/A
Luminaire Lumens: 3826.1 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	142702
5°	143913
10°	149101
15°	161959
20°	168464
25°	161132
30°	139059
35°	100124
40°	56406
45°	29236
50°	17424
55°	12559
60°	10668
65°	12310
70°	15596
75°	16479
80°	16132
85°	15284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.6	6.6
10°-20°	804.9	21.0
20°-30°	1203.0	31.4
30°-40°	919.6	24.0
40°-50°	321.2	8.4
50°-60°	122.4	3.2
60°-70°	96.0	2.5
70°-80°	81.2	2.1
80°-90°	26.1	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°	2259.5	59.1
0°-40°	3179.1	83.1
0°-60°	3622.7	94.7
0°-90°	3826.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3826.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2603	
5°	2615	252
15°	2854	805
25°	2664	1203
35°	1496	920
45°	377	321
55°	131	122
65°	95	96
75°	78	81
85°	24	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2603.1
2.5°	2595.8
5°	2615.2
7.5°	2642.0
10°	2678.5
12.5°	2761.2
15°	2853.7
17.5°	2909.6
20°	2887.7
22.5°	2800.1
25°	2663.9
27.5°	2469.3
30°	2196.8
32.5°	1870.8
35°	1496.1
37.5°	1109.4
40°	788.2
42.5°	552.2
45°	377.1
47.5°	265.1
50°	204.3
52.5°	160.6
55°	131.4
57.5°	107.0
60°	97.3
62.5°	94.9
65°	94.9
67.5°	99.8
70°	97.3
72.5°	90.0
75°	77.8
77.5°	65.7
80°	51.1
82.5°	36.5
85°	24.3
87.5°	9.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)