

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: P582416

Luminaire Tested: **HCC6S40D010MW-HM63040827-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S40D010MW-HM63040827-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

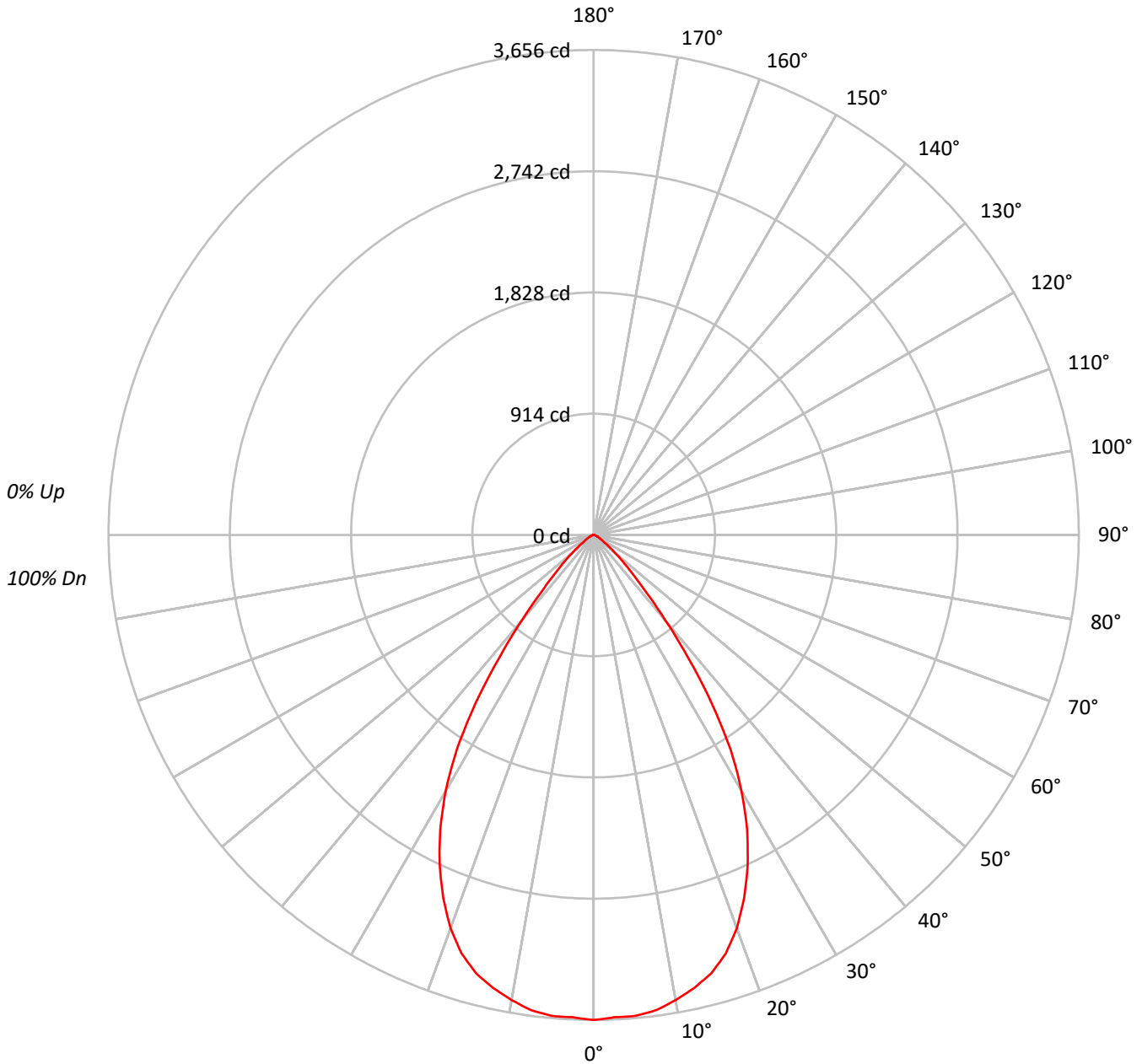
Lumens per Lamp: N/A
Luminaire Lumens: 4002.2 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41
Input Voltage (V): NR
Input Current (Ain): 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: P582416
CATALOG NUMBER: HCC6S40D010MW-HM63040827-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P582416
 CATALOG NUMBER: HCC6S40D010MW-HM63040827-61MDH

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	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86	83	80	79
4	96	88	82	77	94	86	81	77	84	79	76		82	78	75		80	77	74	72
5	90	81	75	71	89	80	75	70	79	74	70		77	73	69		75	72	68	67
6	85	76	70	65	84	75	69	65	74	68	64		72	67	64		71	67	63	62
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67	62	59	57
8	77	67	60	56	75	66	60	56	65	59	55		64	59	55		63	58	55	53
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	52	48	57	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	200450
5°	200280
10°	198193
15°	194207
20°	183970
25°	166135
30°	141129
35°	104193
40°	60256
45°	31988
50°	18080
55°	9452
60°	6195
65°	4397
70°	3174
75°	2393
80°	1799
85°	1761



TEST NUMBER: P582416
 CATALOG NUMBER: HCC6S40D010MW-HM63040827-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.9	8.6
10°-20°	957.1	23.9
20°-30°	1249.2	31.2
30°-40°	954.6	23.9
40°-50°	345.6	8.6
50°-60°	100.4	2.5
60°-70°	35.9	0.9
70°-80°	12.3	0.3
80°-90°	2.3	0.1
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°	2551.2	63.7
0°-40°	3505.8	87.6
0°-60°	3951.8	98.7
0°-90°	4002.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4002.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3656	
5°	3640	345
15°	3422	957
25°	2747	1249
35°	1557	955
45°	413	346
55°	99	100
65°	34	36
75°	11	12
85°	3	2
90°	0	



TEST NUMBER: P582416
CATALOG NUMBER: HCC6S40D010MW-HM63040827-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3656.5
2.5°	3639.5
5°	3639.5
7.5°	3614.1
10°	3560.4
12.5°	3498.3
15°	3421.9
17.5°	3308.8
20°	3153.5
22.5°	2961.3
25°	2746.6
27.5°	2503.6
30°	2229.5
32.5°	1921.5
35°	1556.9
37.5°	1175.5
40°	842.0
42.5°	582.1
45°	412.6
47.5°	296.6
50°	212.0
52.5°	149.7
55°	98.9
57.5°	70.7
60°	56.5
62.5°	45.2
65°	33.9
67.5°	28.2
70°	19.8
72.5°	14.1
75°	11.3
77.5°	8.4
80°	5.7
82.5°	2.8
85°	2.8
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)