

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: P582821

Luminaire Tested: **HCC6S50D010MB-HM64560935-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S50D010MB-HM64560935-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

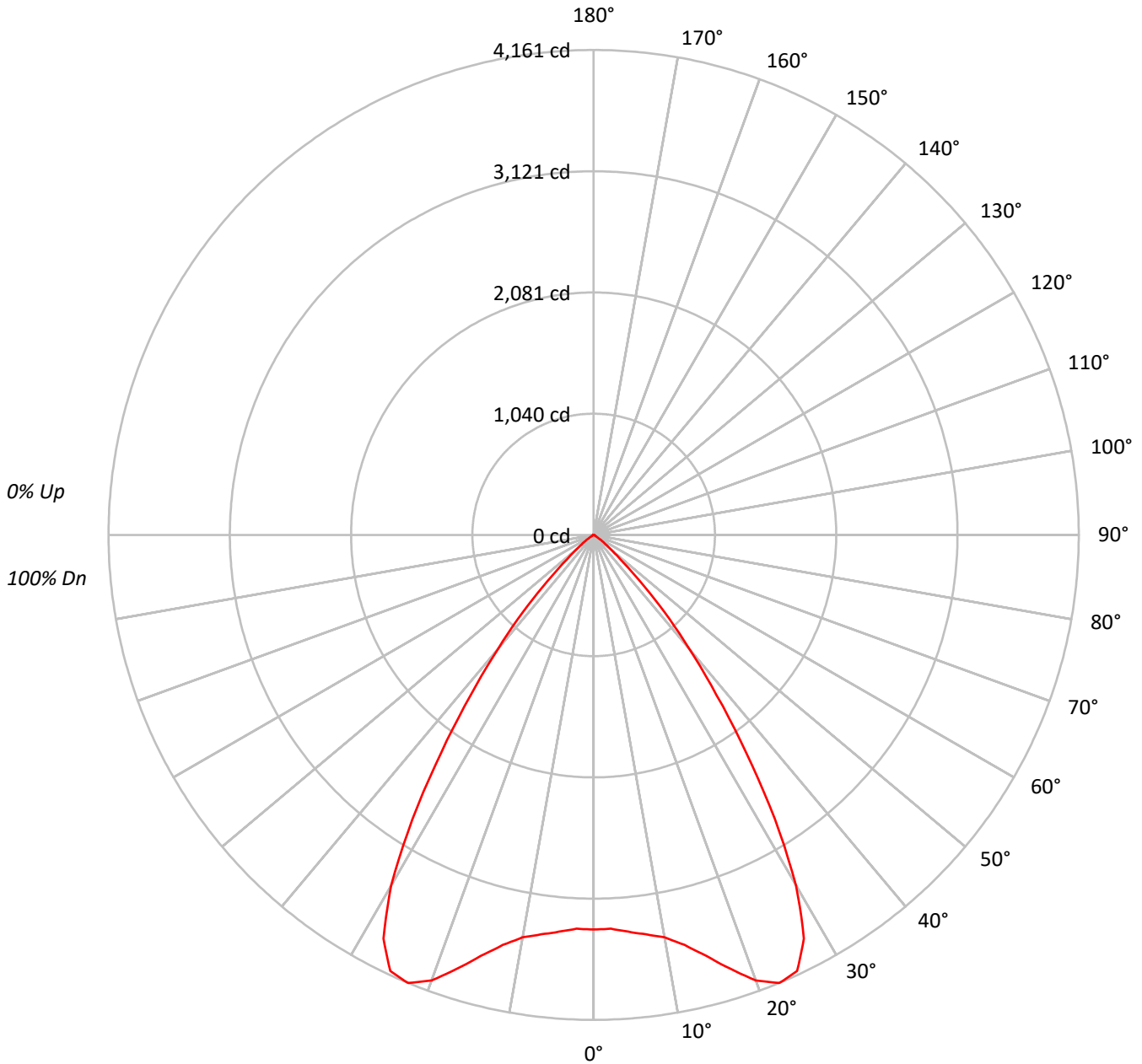
Lumens per Lamp: N/A
Luminaire Lumens: 5234.8 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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: P582821
CATALOG NUMBER: HCC6S50D010MB-HM64560935-61WDC

Luminous Intensity Polar Plot





TEST NUMBER: P582821
 CATALOG NUMBER: HCC6S50D010MB-HM64560935-61WDC

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	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	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	82	88	84	81	85	82	80	78
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52
9	71	61	55	50	70	60	54	50	60	54	50	59	53	50	58	53	50	48
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	50	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	185583
5°	188080
10°	195131
15°	212215
20°	237262
25°	249734
30°	219844
35°	152484
40°	91056
45°	43284
50°	16341
55°	6834
60°	2138
65°	1686
70°	1042
75°	678
80°	1010
85°	0



TEST NUMBER: P582821
 CATALOG NUMBER: HCC6S50D010MB-HM64560935-61WDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.9	6.3
10°-20°	1073.7	20.5
20°-30°	1839.8	35.1
30°-40°	1428.8	27.3
40°-50°	472.4	9.0
50°-60°	72.5	1.4
60°-70°	12.8	0.2
70°-80°	4.7	0.1
80°-90°	1.3	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°	3242.4	61.9
0°-40°	4671.2	89.2
0°-60°	5216.0	99.6
0°-90°	5234.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5234.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3385	
5°	3418	329
15°	3739	1074
25°	4129	1840
35°	2278	1429
45°	558	472
55°	72	72
65°	13	13
75°	3	5
85°	0	1
90°	0	



TEST NUMBER: P582821
CATALOG NUMBER: HCC6S50D010MB-HM64560935-61WDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	3385.3
2.5°	3382.1
5°	3417.8
7.5°	3456.8
10°	3505.4
12.5°	3602.9
15°	3739.2
17.5°	3904.7
20°	4067.0
22.5°	4161.1
25°	4128.7
27.5°	3904.7
30°	3473.0
32.5°	2892.0
35°	2278.5
37.5°	1730.0
40°	1272.4
42.5°	899.1
45°	558.3
47.5°	311.5
50°	191.6
52.5°	116.8
55°	71.5
57.5°	35.7
60°	19.5
62.5°	16.2
65°	13.0
67.5°	9.7
70°	6.5
72.5°	6.5
75°	3.2
77.5°	3.2
80°	3.2
82.5°	3.2
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)