

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: P581989

Luminaire Tested: **HCC6W25D010SL-HM60525827-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581989
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: HCC6W25D010SL-HM60525827-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

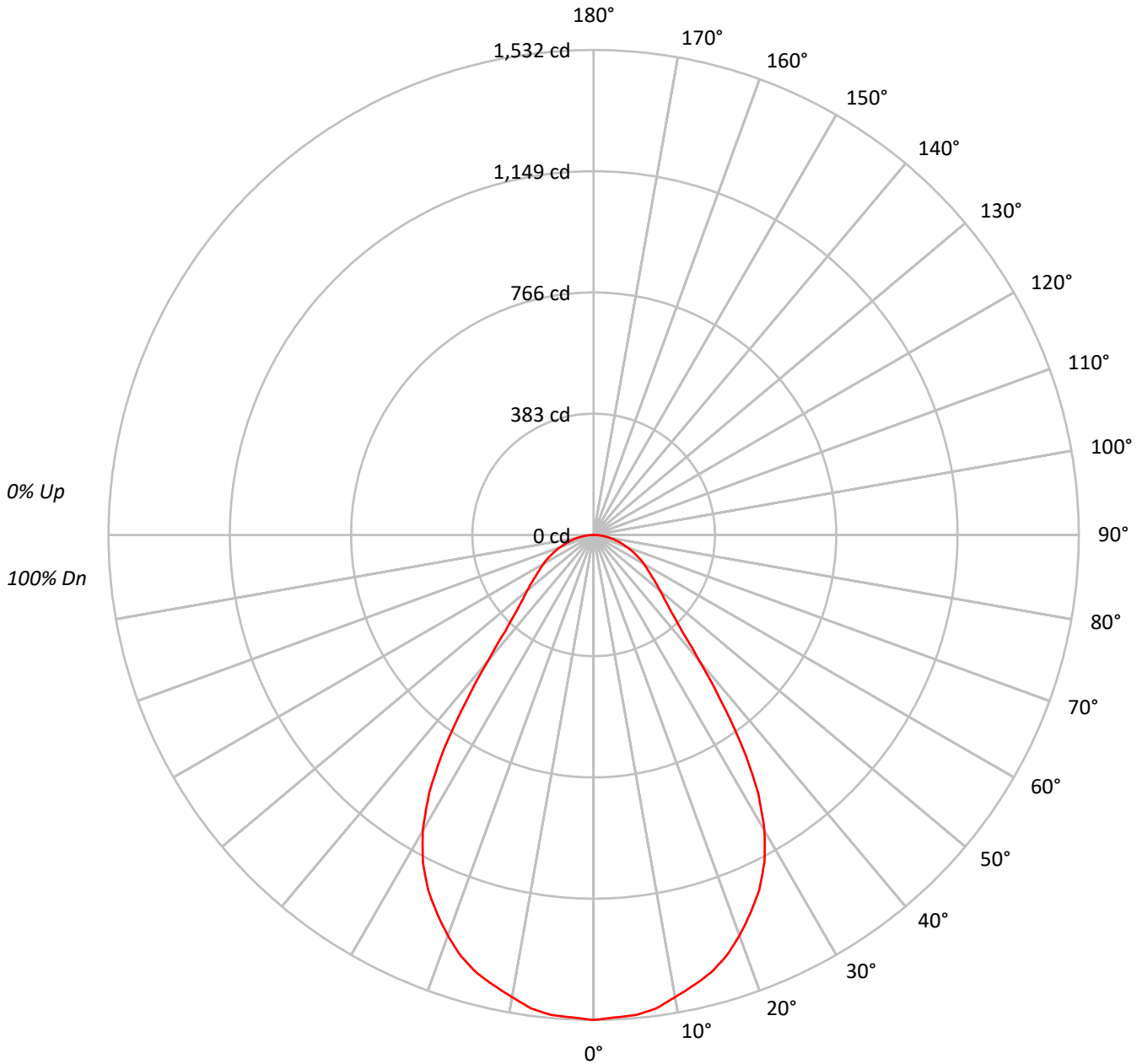
Lumens per Lamp: N/A
Luminaire Lumens: 2350.5 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P581989
CATALOG NUMBER: HCC6W25D010SL-HM60525827-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P581989
 CATALOG NUMBER: HCC6W25D010SL-HM60525827-61PSMDW

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°	84006
5°	83777
10°	82525
15°	81226
20°	78553
25°	74811
30°	68314
35°	54997
40°	37069
45°	27034
50°	23360
55°	21103
60°	20031
65°	18951
70°	17840
75°	16881
80°	15753
85°	14655



TEST NUMBER: P581989
 CATALOG NUMBER: HCC6W25D010SL-HM60525827-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	6.1
10°-20°	401.9	17.1
20°-30°	564.6	24.0
30°-40°	502.6	21.4
40°-50°	280.9	12.0
50°-60°	200.1	8.5
60°-70°	145.6	6.2
70°-80°	84.3	3.6
80°-90°	26.3	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°	1110.6	47.3
0°-40°	1613.3	68.6
0°-60°	2094.3	89.1
0°-90°	2350.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2350.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1532	
5°	1522	144
15°	1431	402
25°	1237	565
35°	822	503
45°	349	281
55°	221	200
65°	146	146
75°	80	84
85°	23	26
90°	0	



TEST NUMBER: P581989
CATALOG NUMBER: HCC6W25D010SL-HM60525827-61PSMDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1532.4
2.5°	1525.8
5°	1522.4
7.5°	1509.1
10°	1482.5
12.5°	1457.7
15°	1431.2
17.5°	1394.6
20°	1346.5
22.5°	1293.3
25°	1236.8
27.5°	1167.2
30°	1079.2
32.5°	966.3
35°	821.8
37.5°	659.1
40°	518.0
42.5°	413.4
45°	348.7
47.5°	305.5
50°	273.9
52.5°	245.7
55°	220.8
57.5°	200.9
60°	182.7
62.5°	166.0
65°	146.1
67.5°	129.6
70°	111.3
72.5°	94.6
75°	79.7
77.5°	64.8
80°	49.9
82.5°	36.6
85°	23.3
87.5°	11.7
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)