

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: P582880

Luminaire Tested: **HCC6S05D010BZ-HM60525830-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S05D010BZ-HM60525830-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

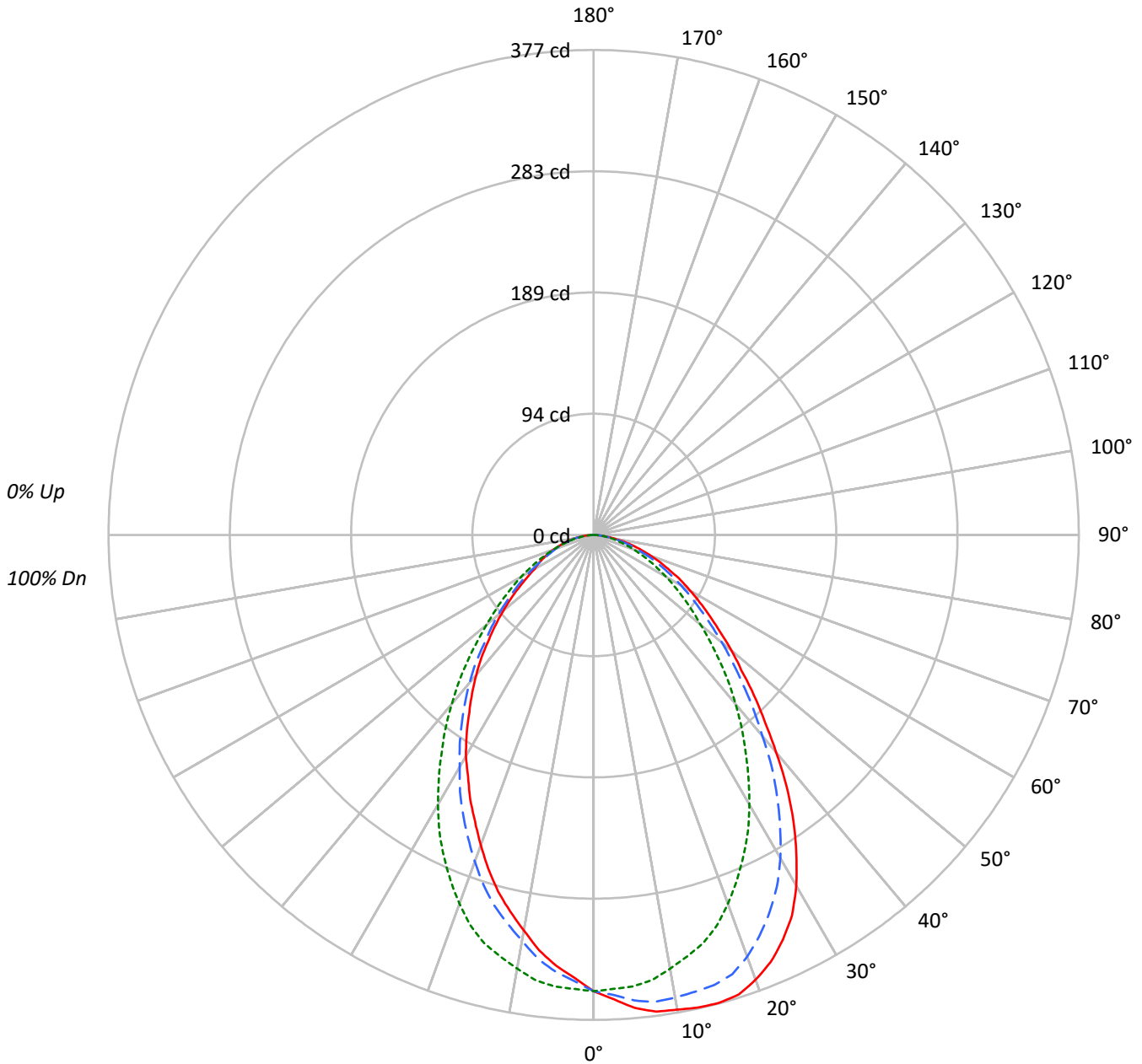
Lumens per Lamp: N/A
Luminaire Lumens: 660.7 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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: P582880
CATALOG NUMBER: HCC6S05D010BZ-HM60525830-61WWW

Luminous Intensity Polar Plot





TEST NUMBER: P582880

CATALOG NUMBER: HCC6S05D010BZ-HM60525830-61WWW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	19445	19445	19445
5°	20311	19387	18495
10°	20858	19054	17379
15°	21374	18644	16283
20°	21469	17793	14958
25°	21019	16664	13719
30°	19940	15319	12565
35°	18109	13773	11277
40°	15787	12266	10148
45°	13660	10730	8916
50°	11931	9245	7812
55°	10542	8124	6709
60°	9473	7127	5811
65°	8483	6187	5630
70°	7565	5273	5273
75°	6587	4448	4956
80°	5272	3788	4546
85°	3648	3271	3900



TEST NUMBER: P582880
 CATALOG NUMBER: HCC6S05D010BZ-HM60525830-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	5.0
10°-20°	92.7	14.0
20°-30°	129.1	19.5
30°-40°	133.1	20.1
40°-50°	110.3	16.7
50°-60°	79.3	12.0
60°-70°	50.5	7.6
70°-80°	25.9	3.9
80°-90°	6.6	1.0
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°	255.1	38.6
0°-40°	388.2	58.8
0°-60°	577.7	87.4
0°-90°	660.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	660.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	355	355	355	355	355	
5°	369	363	352	341	336	35
15°	377	362	328	298	287	106
25°	348	324	276	240	227	159
35°	271	249	206	178	168	168
45°	176	164	138	121	115	136
55°	110	101	85	75	70	99
65°	65	58	48	42	43	65
75°	31	27	21	22	23	33
85°	6	5	5	6	6	7
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P582880

CATALOG NUMBER: HCC6S05D010BZ-HM60525830-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7
2.5°	361.4	359.9	358.0	356.2	353.2	350.0	347.0	346.1	344.6
5°	369.1	367.1	363.3	358.5	352.3	346.1	340.8	337.5	336.1
7.5°	373.8	371.4	366.1	358.0	348.9	339.9	332.2	327.5	325.6
10°	374.7	372.3	365.2	354.3	342.3	329.8	320.4	314.6	312.2
12.5°	376.2	372.8	363.7	350.9	335.6	321.3	309.4	302.2	299.8
15°	376.6	372.8	362.3	346.6	328.5	311.2	298.3	289.7	286.9
17.5°	374.7	370.4	358.0	338.9	318.4	300.2	285.0	275.9	272.1
20°	368.0	363.3	348.9	327.5	305.0	286.0	270.2	260.7	256.4
22.5°	359.5	353.2	337.1	314.1	290.7	270.6	254.9	245.3	241.0
25°	347.5	341.8	323.6	299.3	275.5	254.5	240.1	230.1	226.8
27.5°	333.7	327.0	308.4	284.1	259.7	238.7	224.9	215.8	211.4
30°	315.0	308.8	290.3	265.9	242.0	222.5	208.1	200.5	198.5
32.5°	293.1	287.8	269.7	246.8	223.9	205.8	193.8	185.7	183.7
35°	270.6	264.4	248.7	227.2	205.8	189.5	178.5	171.4	168.5
37.5°	246.3	240.6	227.2	208.1	189.0	173.8	164.2	158.0	155.1
40°	220.6	216.3	203.9	188.6	171.4	158.0	150.0	144.6	141.8
42.5°	196.7	192.3	183.7	169.5	155.1	143.2	136.1	131.3	128.9
45°	176.2	172.3	163.7	151.3	138.4	128.4	120.8	117.4	115.0
47.5°	155.6	153.7	146.1	134.6	122.7	114.1	108.8	105.0	103.2
50°	139.9	137.5	130.3	118.4	108.4	101.7	97.0	93.6	91.6
52.5°	123.6	121.2	114.6	104.5	96.4	90.2	85.4	82.6	80.7
55°	110.3	108.4	101.2	92.1	85.0	79.8	75.4	72.1	70.2
57.5°	97.9	95.9	89.3	80.7	74.5	69.7	65.9	63.1	60.7
60°	86.4	85.0	78.3	70.2	65.0	60.1	56.8	54.5	53.0
62.5°	76.4	73.6	67.8	60.7	55.8	52.0	48.7	47.2	48.3
65°	65.4	64.0	58.2	52.0	47.7	44.0	41.6	42.5	43.4
67.5°	56.3	54.5	49.6	44.0	40.1	37.3	35.8	37.7	38.2
70°	47.2	45.3	41.0	36.3	32.9	31.1	31.1	32.4	32.9
72.5°	38.6	37.3	33.4	29.6	27.2	25.8	26.8	27.7	28.1
75°	31.1	29.6	26.8	23.4	21.0	21.0	21.9	22.9	23.4
77.5°	23.8	22.9	20.0	17.6	16.7	16.7	17.6	18.2	18.6
80°	16.7	15.7	14.4	12.9	12.0	12.9	13.9	13.9	14.4
82.5°	11.0	10.5	9.5	8.6	8.6	9.0	9.5	10.1	10.1
85°	5.8	5.8	5.2	4.7	5.2	5.8	5.8	6.2	6.2
87.5°	1.9	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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° - - 45°-225° - - - - 90°-270°

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)