

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: P582027

Luminaire Tested: **HCC6S25D010BZ-HM60525835-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582027  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S25D010BZ-HM60525835-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

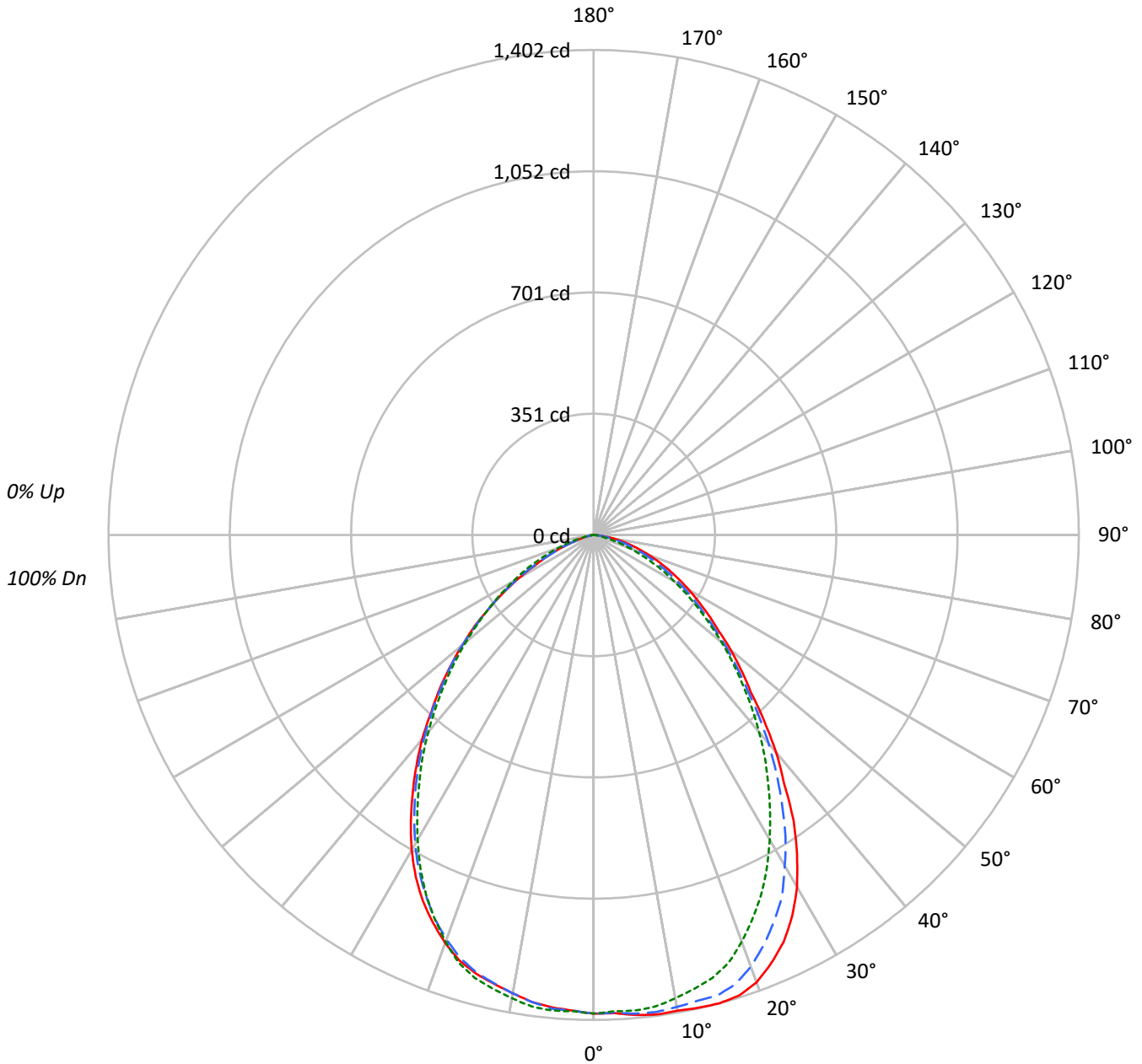
Lumens per Lamp: N/A  
Luminaire Lumens: 2711.6 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
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: P582027  
CATALOG NUMBER: HCC6S25D010BZ-HM60525835-61RWWH

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582027

CATALOG NUMBER: HCC6S25D010BZ-HM60525835-61RWWH

**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	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77								
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67								
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	75860	75860	75860
5°	76656	75952	75457
10°	77743	75722	74910
15°	79569	75244	74524
20°	80303	73011	73221
25°	78549	69331	70649
30°	74398	64402	66586
35°	67371	58866	61054
40°	58667	53221	55160
45°	49773	47106	48796
50°	44084	41142	42233
55°	38823	35182	35019
60°	34800	29636	27246
65°	31054	23764	19522
70°	27328	17150	12214
75°	23045	10379	6926
80°	17774	4578	2841
85°	10253	1132	1132



TEST NUMBER: P582027  
 CATALOG NUMBER: HCC6S25D010BZ-HM60525835-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.4	4.8
10°-20°	377.5	13.9
20°-30°	545.7	20.1
30°-40°	574.2	21.2
40°-50°	482.7	17.8
50°-60°	338.8	12.5
60°-70°	186.4	6.9
70°-80°	66.2	2.4
80°-90°	8.6	0.3
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°	1054.6	38.9
0°-40°	1628.9	60.1
0°-60°	2450.4	90.4
0°-90°	2711.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2711.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1384	1384	1384	1384	1384	
5°	1393	1389	1380	1375	1371	133
15°	1402	1378	1326	1310	1313	396
25°	1299	1233	1146	1148	1168	594
35°	1007	948	880	898	912	624
45°	642	624	608	622	629	504
55°	406	384	368	368	366	366
65°	239	214	183	150	150	238
75°	109	87	49	33	33	117
85°	16	9	2	2	2	22
90°	0	0	0	0	0	

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



TEST NUMBER: P582027

CATALOG NUMBER: HCC6S25D010BZ-HM60525835-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1383.8	1383.8	1383.8	1383.8	1383.8	1383.8	1383.8	1383.8	1383.8
2.5°	1383.8	1383.8	1382.1	1382.1	1378.4	1378.4	1376.5	1376.5	1376.5
5°	1393.0	1393.0	1389.3	1383.8	1380.2	1374.8	1374.8	1373.0	1371.2
7.5°	1398.3	1396.6	1391.1	1383.8	1374.8	1365.8	1362.1	1363.9	1362.1
10°	1396.6	1393.0	1385.7	1371.2	1360.3	1347.6	1345.7	1344.0	1345.7
12.5°	1400.2	1394.7	1380.2	1362.1	1344.0	1329.4	1327.7	1327.7	1329.4
15°	1402.0	1396.6	1378.4	1351.2	1325.8	1311.3	1309.5	1311.3	1313.1
17.5°	1396.6	1389.3	1362.1	1325.8	1296.9	1282.3	1282.3	1286.0	1289.6
20°	1376.5	1365.8	1327.7	1284.1	1251.5	1240.6	1244.2	1251.5	1255.1
22.5°	1340.3	1327.7	1284.1	1235.1	1200.6	1191.6	1200.6	1209.8	1213.4
25°	1298.6	1284.1	1233.3	1182.6	1146.2	1135.3	1148.1	1162.5	1168.0
27.5°	1242.3	1226.1	1178.9	1120.9	1084.6	1079.2	1093.6	1110.0	1113.7
30°	1175.3	1157.1	1104.5	1050.1	1017.4	1015.7	1032.0	1046.5	1051.9
32.5°	1093.6	1077.3	1032.0	977.6	948.5	948.5	964.9	977.6	983.0
35°	1006.7	988.5	948.5	903.3	879.6	881.5	897.8	906.8	912.3
37.5°	903.3	897.8	867.0	828.9	812.6	816.2	828.9	836.1	841.5
40°	819.8	805.3	785.4	754.6	743.7	747.3	759.9	767.2	770.8
42.5°	729.1	720.1	703.7	682.0	674.7	680.1	691.0	696.4	694.7
45°	642.0	640.3	623.9	611.2	607.6	614.8	622.1	627.5	629.4
47.5°	578.6	571.4	556.8	547.7	544.1	551.3	558.6	562.2	562.2
50°	516.9	509.6	495.2	486.0	482.4	489.7	495.2	498.8	495.2
52.5°	455.2	447.9	435.3	424.4	422.6	426.3	428.0	429.9	433.5
55°	406.2	399.0	384.5	371.8	368.1	370.0	368.1	368.1	366.4
57.5°	359.1	351.8	337.3	322.9	317.4	315.6	310.1	308.4	306.5
60°	317.4	308.4	293.8	277.5	270.3	263.0	253.9	248.5	248.5
62.5°	277.5	268.4	252.1	237.6	226.7	214.0	199.5	192.2	192.2
65°	239.4	232.2	214.0	197.7	183.2	166.9	150.5	146.9	150.5
67.5°	203.1	195.8	177.8	161.4	143.3	123.3	108.8	108.8	112.4
70°	170.5	163.3	146.9	126.9	107.0	87.1	76.2	76.2	76.2
72.5°	139.7	132.4	114.3	96.1	76.2	56.3	50.7	52.6	50.7
75°	108.8	103.4	87.1	67.2	49.0	34.5	32.7	30.8	32.7
77.5°	81.6	76.2	61.6	43.5	27.2	19.9	18.2	18.2	18.2
80°	56.3	50.7	39.8	25.4	14.5	9.0	9.0	9.0	9.0
82.5°	34.5	29.1	21.8	12.7	5.4	5.4	5.4	5.4	5.4
85°	16.3	12.7	9.0	3.6	1.8	1.8	1.8	1.8	1.8
87.5°	3.6	3.6	1.8	1.8	0.0	1.8	1.8	0.0	0.0
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)