

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: P582279

Luminaire Tested: **HCC6S35D010BZ-HM63040827-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582279  
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: HCC6S35D010BZ-HM63040827-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

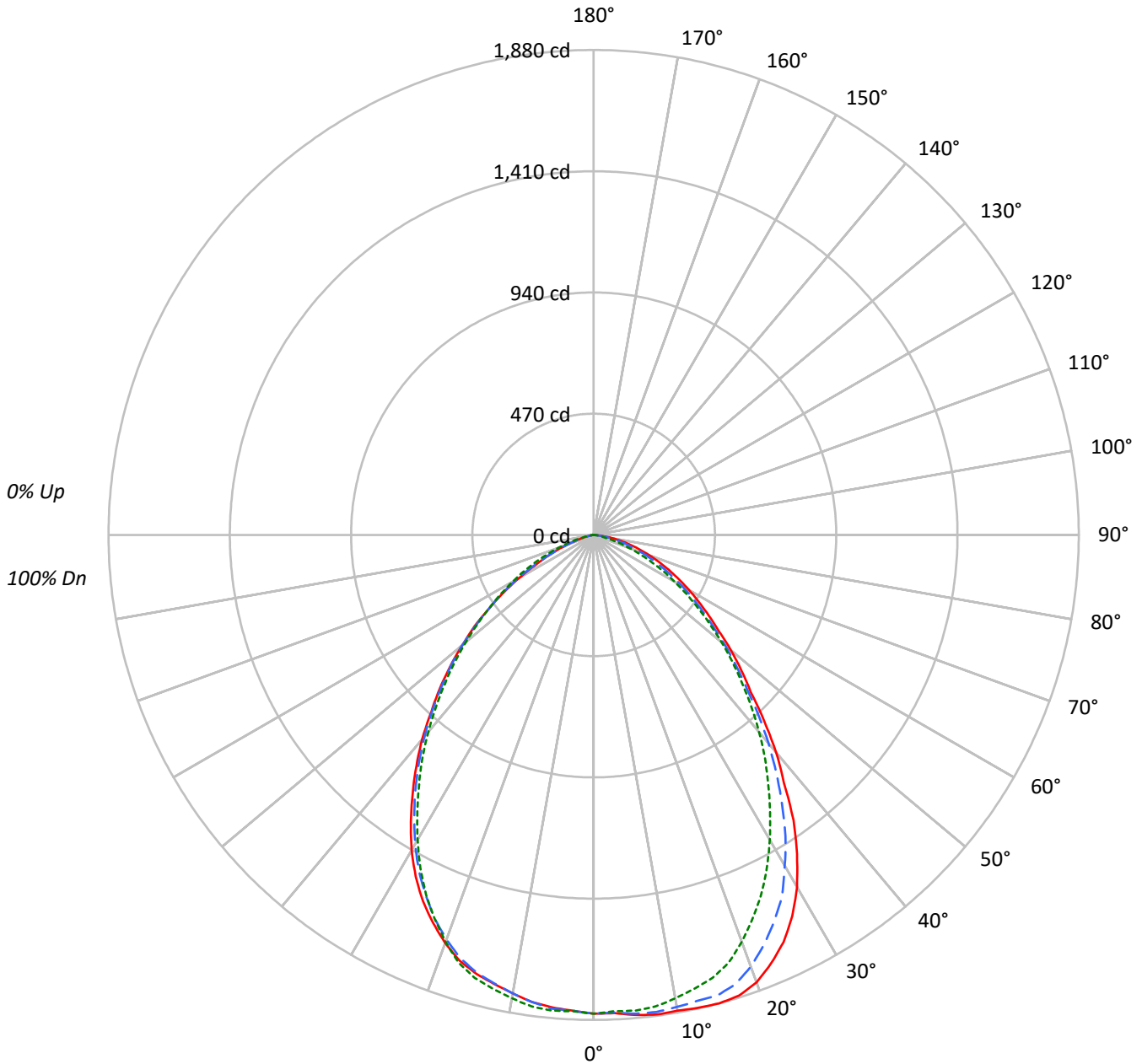
Lumens per Lamp: N/A  
Luminaire Lumens: 3636.4 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P582279  
CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61RWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P582279

CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61RWWH

**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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88					88			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77					77			
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67					67			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59					59			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53					53			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42					42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38					38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35					35			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32					32			

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

	0°	90°	180°
0°	101735	101735	101735
5°	102790	101854	101183
10°	104251	101540	100455
15°	106698	100903	99938
20°	107699	97909	98184
25°	105333	92981	94741
30°	99762	86374	89299
35°	90339	78942	81874
40°	78669	71362	73974
45°	66751	63169	65433
50°	59120	55179	56629
55°	52070	47195	46957
60°	46663	39734	36532
65°	41639	31871	26190
70°	36641	23001	16365
75°	30903	13916	9277
80°	23804	6156	3820
85°	13775	1572	1572



TEST NUMBER: P582279  
 CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.1	4.8
10°-20°	506.3	13.9
20°-30°	731.8	20.1
30°-40°	770.1	21.2
40°-50°	647.3	17.8
50°-60°	454.4	12.5
60°-70°	249.9	6.9
70°-80°	88.7	2.4
80°-90°	11.6	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°	1414.3	38.9
0°-40°	2184.3	60.1
0°-60°	3286.0	90.4
0°-90°	3636.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3636.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1856	1856	1856	1856	1856	
5°	1868	1863	1851	1844	1839	178
15°	1880	1848	1778	1756	1761	531
25°	1741	1654	1537	1540	1566	797
35°	1350	1272	1180	1204	1223	837
45°	861	837	815	834	844	675
55°	545	516	494	494	491	490
65°	321	287	246	202	202	320
75°	146	117	66	44	44	157
85°	22	12	2	2	2	30
90°	0	0	0	0	0	

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



TEST NUMBER: P582279

CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8
2.5°	1855.8	1855.8	1853.3	1853.3	1848.4	1848.4	1846.1	1846.1	1846.1
5°	1867.9	1867.9	1863.1	1855.8	1850.9	1843.6	1843.6	1841.2	1838.7
7.5°	1875.3	1872.8	1865.4	1855.8	1843.6	1831.5	1826.6	1829.0	1826.6
10°	1872.8	1867.9	1858.2	1838.7	1824.1	1807.1	1804.6	1802.2	1804.6
12.5°	1877.7	1870.4	1850.9	1826.6	1802.2	1782.8	1780.4	1780.4	1782.8
15°	1880.0	1872.8	1848.4	1812.0	1777.9	1758.4	1756.0	1758.4	1760.9
17.5°	1872.8	1863.1	1826.6	1777.9	1739.1	1719.6	1719.6	1724.5	1729.3
20°	1846.1	1831.5	1780.4	1722.0	1678.3	1663.7	1668.5	1678.3	1683.0
22.5°	1797.4	1780.4	1722.0	1656.3	1610.1	1598.0	1610.1	1622.2	1627.1
25°	1741.4	1722.0	1653.9	1585.8	1537.2	1522.6	1539.6	1559.0	1566.3
27.5°	1666.0	1644.2	1580.9	1503.1	1454.4	1447.2	1466.6	1488.5	1493.4
30°	1576.0	1551.8	1481.2	1408.2	1364.5	1362.0	1383.9	1403.3	1410.7
32.5°	1466.6	1444.7	1383.9	1311.0	1272.0	1272.0	1294.0	1311.0	1318.2
35°	1349.9	1325.6	1272.0	1211.2	1179.6	1182.1	1203.9	1216.1	1223.4
37.5°	1211.2	1203.9	1162.6	1111.6	1089.6	1094.5	1111.6	1121.3	1128.5
40°	1099.3	1079.9	1053.1	1011.8	997.2	1002.1	1019.1	1028.8	1033.7
42.5°	977.7	965.6	943.6	914.5	904.8	912.1	926.7	934.0	931.5
45°	861.0	858.6	836.6	819.7	814.8	824.5	834.3	841.5	844.0
47.5°	775.8	766.1	746.6	734.5	729.6	739.4	749.1	754.0	754.0
50°	693.2	683.4	664.0	651.8	647.0	656.7	664.0	668.8	664.0
52.5°	610.5	600.8	583.7	569.1	566.7	571.6	574.0	576.4	581.3
55°	544.8	535.1	515.6	498.5	493.8	496.2	493.8	493.8	491.3
57.5°	481.6	471.8	452.4	433.0	425.6	423.2	415.9	413.5	411.0
60°	425.6	413.5	394.0	372.2	362.4	352.7	340.5	333.2	333.2
62.5°	372.2	360.0	338.1	318.6	304.0	287.0	267.6	257.8	257.8
65°	321.0	311.4	287.0	265.1	245.7	223.7	201.9	197.0	201.9
67.5°	272.4	262.7	238.3	216.5	192.1	165.4	145.9	145.9	150.8
70°	228.6	218.9	197.0	170.3	143.5	116.7	102.1	102.1	102.1
72.5°	187.3	177.5	153.2	129.0	102.1	75.4	68.2	70.5	68.2
75°	145.9	138.6	116.7	90.0	65.7	46.2	43.8	41.3	43.8
77.5°	109.5	102.1	82.7	58.4	36.5	26.7	24.3	24.3	24.3
80°	75.4	68.2	53.6	34.1	19.5	12.1	12.1	12.1	12.1
82.5°	46.2	38.9	29.2	17.0	7.4	7.4	7.4	7.4	7.4
85°	21.9	17.0	12.1	4.9	2.5	2.5	2.5	2.5	2.5
87.5°	4.9	4.9	2.5	2.5	0.0	2.5	2.5	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)