

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: P582296

Luminaire Tested: **HCC6S35D010SL-HM63040830-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582296  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S35D010SL-HM63040830-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

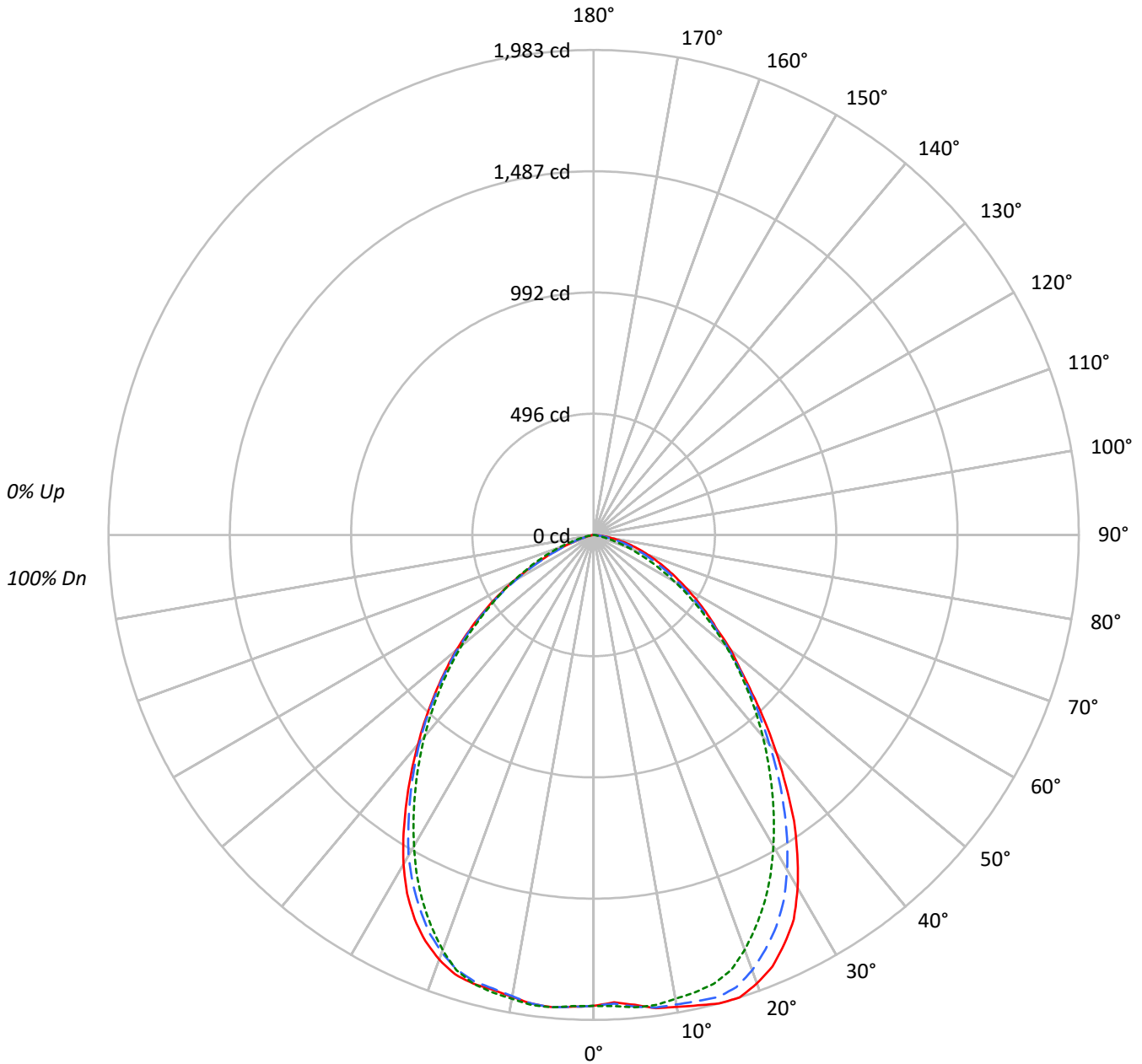
Lumens per Lamp: N/A  
Luminaire Lumens: 3888.0 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582296  
CATALOG NUMBER: HCC6S35D010SL-HM63040830-61RWWC

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582296

CATALOG NUMBER: HCC6S35D010SL-HM63040830-61RWWC

**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	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	94	92	90	88								
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77								
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68								
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60								
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	62	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	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°	105578	105578	105578
5°	106125	106697	106697
10°	109088	107207	106767
15°	112555	107821	107821
20°	113871	105347	107786
25°	111593	100076	104813
30°	105554	92995	98452
35°	95533	85053	89242
40°	83106	76944	79928
45°	71015	68581	71015
50°	62318	60092	62531
55°	54373	50627	52624
60°	48066	42058	41477
65°	42663	33168	28434
70°	37651	23417	17150
75°	32068	13280	8282
80°	23867	4136	2462
85°	13146	1635	1635



TEST NUMBER: P582296  
 CATALOG NUMBER: HCC6S35D010SL-HM63040830-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.7	4.8
10°-20°	540.5	13.9
20°-30°	789.4	20.3
30°-40°	827.9	21.3
40°-50°	697.5	17.9
50°-60°	488.7	12.6
60°-70°	262.0	6.7
70°-80°	87.8	2.3
80°-90°	9.6	0.2
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°	1514.6	39.0
0°-40°	2342.5	60.2
0°-60°	3528.6	90.8
0°-90°	3888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3888.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1926	1926	1926	1926	1926	
5°	1928	1936	1939	1939	1939	185
15°	1983	1957	1900	1889	1900	559
25°	1845	1767	1654	1683	1733	845
35°	1428	1354	1271	1307	1334	886
45°	916	900	885	908	916	714
55°	569	551	530	540	551	512
65°	329	300	256	211	219	328
75°	151	117	63	39	39	161
85°	21	10	3	3	3	29
90°	0	0	0	0	0	

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



TEST NUMBER: P582296

CATALOG NUMBER: HCC6S35D010SL-HM63040830-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1925.9	1925.9	1925.9	1925.9	1925.9	1925.9	1925.9	1925.9	1925.9
2.5°	1912.8	1912.8	1918.0	1923.2	1928.5	1928.5	1931.0	1933.7	1931.0
5°	1928.5	1928.5	1936.3	1938.9	1938.9	1936.3	1938.9	1938.9	1938.9
7.5°	1951.9	1946.7	1949.4	1944.1	1938.9	1936.3	1933.7	1933.7	1933.7
10°	1959.7	1954.5	1949.4	1938.9	1925.9	1918.0	1915.4	1918.0	1918.0
12.5°	1970.2	1965.0	1951.9	1931.0	1915.4	1902.3	1899.8	1905.0	1905.0
15°	1983.2	1978.1	1957.2	1923.2	1899.8	1886.7	1889.3	1894.5	1899.8
17.5°	1983.2	1972.8	1938.9	1894.5	1865.8	1852.7	1863.2	1876.3	1884.1
20°	1951.9	1941.5	1894.5	1839.8	1805.8	1798.0	1816.2	1839.8	1847.6
22.5°	1910.1	1889.3	1834.5	1769.3	1732.8	1732.8	1758.8	1787.5	1798.0
25°	1844.9	1829.3	1766.6	1691.0	1654.5	1651.9	1683.2	1722.3	1732.8
27.5°	1771.9	1751.0	1683.2	1604.9	1565.8	1568.3	1602.3	1641.4	1651.9
30°	1667.5	1641.4	1581.4	1505.7	1469.1	1479.6	1513.5	1542.2	1555.3
32.5°	1550.1	1526.6	1471.8	1401.3	1370.1	1380.4	1409.2	1435.3	1445.7
35°	1427.5	1401.3	1354.3	1291.8	1270.9	1281.2	1307.4	1328.3	1333.5
37.5°	1289.1	1270.9	1236.9	1187.3	1171.7	1184.7	1205.6	1218.7	1223.8
40°	1161.3	1145.6	1116.9	1080.4	1075.2	1085.5	1106.4	1114.3	1116.9
42.5°	1035.9	1023.0	1004.7	978.5	978.5	989.0	1007.2	1012.5	1015.1
45°	916.0	908.2	900.3	879.5	884.6	897.7	908.2	916.0	916.0
47.5°	811.5	814.2	803.7	788.1	793.3	806.4	814.2	822.0	822.0
50°	730.7	722.8	712.5	696.7	704.6	715.0	725.4	730.7	733.2
52.5°	636.7	634.1	626.3	608.0	613.3	618.5	628.9	636.7	639.3
55°	568.9	561.1	550.6	529.7	529.7	535.0	540.2	545.3	550.6
57.5°	503.7	495.9	480.1	456.6	454.1	454.1	451.4	456.6	464.5
60°	438.4	435.8	412.3	391.4	383.6	375.8	365.4	368.0	378.3
62.5°	381.0	375.8	354.9	328.9	313.1	300.2	287.1	284.4	294.9
65°	328.9	323.6	300.2	274.0	255.7	232.2	211.3	211.3	219.2
67.5°	281.8	271.4	250.6	221.8	198.3	169.6	148.8	153.9	156.6
70°	234.9	227.0	203.5	174.8	146.1	117.4	104.3	107.0	107.0
72.5°	193.1	182.6	159.2	130.5	101.8	75.6	70.5	67.8	67.8
75°	151.4	141.0	117.4	88.7	62.7	44.3	39.1	39.1	39.1
77.5°	109.6	101.8	80.9	54.8	34.0	20.9	18.3	15.6	15.6
80°	75.6	67.8	49.6	28.7	13.1	7.8	7.8	7.8	7.8
82.5°	44.3	36.5	23.5	13.1	5.3	2.6	2.6	2.6	2.6
85°	20.9	15.6	10.4	5.3	2.6	2.6	2.6	2.6	2.6
87.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	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)