

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: P582393

Luminaire Tested: **HCC6W35D010BZ-HM63040935-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W35D010BZ-HM63040935-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

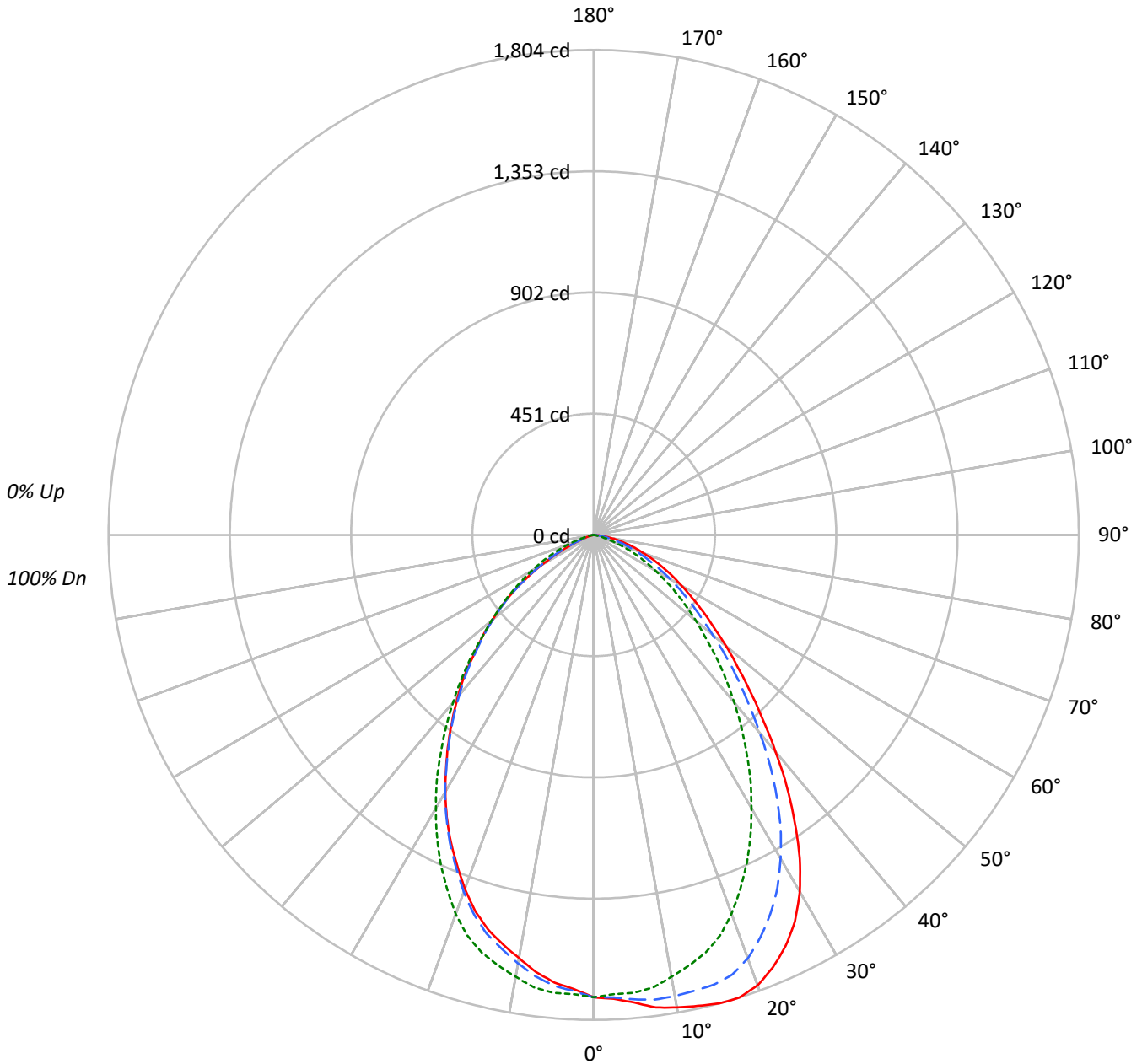
Lumens per Lamp: N/A  
Luminaire Lumens: 3064.6 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582393  
CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61WWBB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582393

CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61WWBB

**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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

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

	0°	90°	180°
0°	94274	94274	94274
5°	96098	94101	91976
10°	99364	92901	88999
15°	102407	91289	86209
20°	103994	87484	81697
25°	102121	81489	76081
30°	97066	74258	69815
35°	87248	66368	62961
40°	75298	58159	56255
45°	63759	50067	48757
50°	54659	42293	41875
55°	47396	35602	34207
60°	41367	28901	24395
65°	36385	22285	13490
70°	31400	14746	6588
75°	26646	7159	2563
80°	20647	3062	1515
85°	12202	1572	1572



TEST NUMBER: P582393  
 CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.3	5.3
10°-20°	458.9	15.0
20°-30°	646.3	21.1
30°-40°	660.3	21.5
40°-50°	532.4	17.4
50°-60°	357.1	11.7
60°-70°	180.7	5.9
70°-80°	57.8	1.9
80°-90°	8.9	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°	1267.5	41.4
0°-40°	1927.8	62.9
0°-60°	2817.2	91.9
0°-90°	3064.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3064.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1720	1720	1720	1720	1720	
5°	1746	1734	1710	1683	1671	168
15°	1804	1732	1608	1536	1519	509
25°	1688	1555	1347	1265	1258	773
35°	1304	1185	992	936	941	811
45°	822	757	646	624	629	640
55°	496	440	372	356	358	446
65°	280	232	172	114	104	280
75°	126	90	34	12	12	135
85°	19	10	2	2	2	26
90°	0	0	0	0	0	



TEST NUMBER: P582393

CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1719.7	1719.7	1719.7	1719.7	1719.7	1719.7	1719.7	1719.7	1719.7
2.5°	1726.9	1724.6	1722.1	1717.2	1710.0	1702.8	1698.0	1693.1	1690.7
5°	1746.3	1741.5	1734.3	1724.6	1710.0	1693.1	1683.4	1673.7	1671.4
7.5°	1772.9	1763.2	1743.8	1722.1	1698.0	1673.7	1656.8	1647.1	1639.9
10°	1785.0	1768.1	1741.5	1705.2	1668.9	1639.9	1618.2	1603.6	1598.8
12.5°	1794.7	1775.4	1736.6	1688.3	1639.9	1601.2	1577.0	1564.9	1560.0
15°	1804.4	1785.0	1731.8	1668.9	1608.5	1562.5	1535.9	1523.8	1519.0
17.5°	1804.4	1777.8	1714.9	1635.1	1562.5	1506.8	1480.2	1468.2	1465.8
20°	1782.6	1753.5	1676.2	1581.9	1499.6	1436.7	1412.5	1405.3	1400.4
22.5°	1741.5	1707.7	1620.5	1514.2	1424.7	1364.1	1337.5	1332.7	1327.9
25°	1688.3	1654.5	1555.3	1441.6	1347.2	1286.7	1265.0	1260.1	1257.8
27.5°	1620.5	1584.3	1480.2	1364.1	1262.6	1204.6	1185.2	1185.2	1182.8
30°	1533.4	1492.4	1390.7	1274.7	1173.1	1119.9	1105.4	1105.4	1102.9
32.5°	1427.0	1385.9	1294.0	1182.8	1086.0	1030.3	1018.3	1023.1	1020.7
35°	1303.7	1269.8	1185.2	1076.3	991.7	940.8	936.1	940.8	940.8
37.5°	1180.3	1148.9	1076.3	982.0	902.2	856.2	856.2	863.5	861.0
40°	1052.2	1028.0	960.2	878.1	812.7	781.3	776.4	783.6	786.1
42.5°	931.3	911.9	853.8	786.1	728.1	696.6	703.8	708.7	711.1
45°	822.4	803.0	757.0	686.9	645.8	624.0	624.0	631.2	628.9
47.5°	725.6	711.1	665.2	597.4	561.1	551.5	556.3	561.1	561.1
50°	640.9	619.2	575.7	522.5	495.9	483.7	488.6	491.0	491.0
52.5°	561.1	546.6	503.1	454.7	430.5	423.3	423.3	425.7	425.7
55°	495.9	478.9	440.2	391.9	372.5	362.8	355.6	353.1	357.9
57.5°	433.0	418.5	382.2	336.2	314.4	304.7	290.2	285.4	290.2
60°	377.3	365.3	329.0	285.4	263.6	244.3	227.3	217.6	222.5
62.5°	329.0	314.4	278.1	241.9	217.6	195.9	169.3	154.7	162.1
65°	280.5	268.5	232.2	195.9	171.8	145.2	113.7	104.0	104.0
67.5°	237.0	225.0	191.0	159.6	130.6	99.2	70.1	67.7	70.1
70°	195.9	183.8	154.7	123.4	92.0	60.5	41.1	41.1	41.1
72.5°	162.1	147.5	120.9	89.5	58.0	31.4	21.8	24.2	24.2
75°	125.8	113.7	89.5	60.5	33.8	14.5	12.1	12.1	12.1
77.5°	94.3	84.6	62.9	38.7	16.9	4.8	4.8	4.8	4.8
80°	65.4	55.7	41.1	24.2	9.7	4.8	4.8	4.8	4.8
82.5°	38.7	33.8	24.2	12.1	4.8	2.5	2.5	2.5	2.5
85°	19.4	16.9	9.7	4.8	2.5	2.5	2.5	2.5	2.5
87.5°	4.8	4.8	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)