

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: P593266

Luminaire Tested: **HCC6S35D010MB-HM63040950-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593266
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: HCC6S35D010MB-HM63040950-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

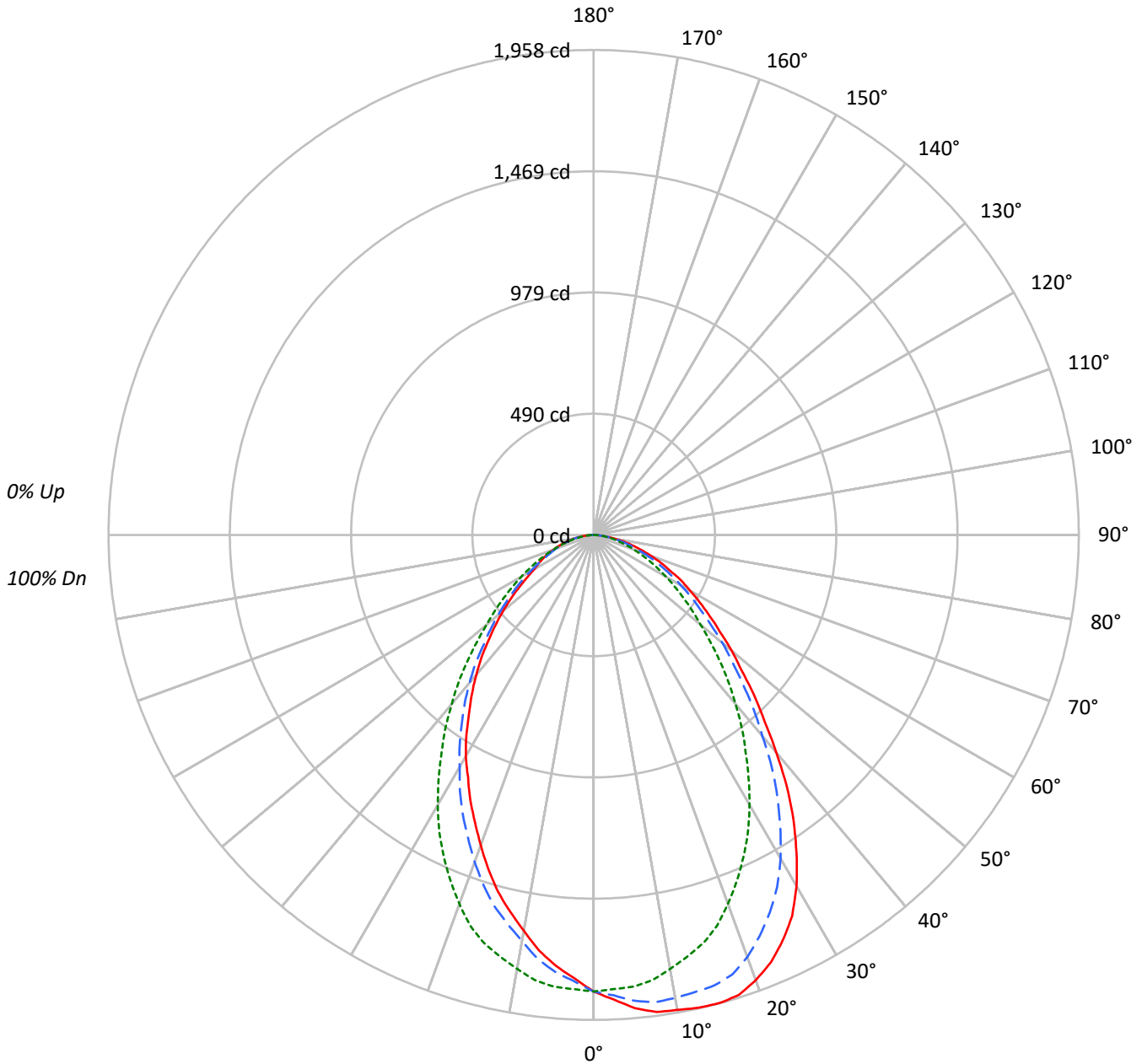
Lumens per Lamp: N/A
Luminaire Lumens: 3433.9 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P593266
CATALOG NUMBER: HCC6S35D010MB-HM63040950-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P593266

CATALOG NUMBER: HCC6S35D010MB-HM63040950-61WWW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	101055	101055	101055
5°	105536	100759	96115
10°	108415	99024	90323
15°	111096	96879	84626
20°	111590	92490	77730
25°	109252	86594	71290
30°	103655	79626	65333
35°	94141	71561	58611
40°	82025	63741	52727
45°	70976	55781	46361
50°	61994	48033	40630
55°	54775	42206	34857
60°	49239	36993	30195
65°	44090	32182	29290
70°	39382	27441	27441
75°	34165	23108	25756
80°	27402	19605	23519
85°	18744	17171	20254



TEST NUMBER: P593266
 CATALOG NUMBER: HCC6S35D010MB-HM63040950-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	5.0
10°-20°	481.6	14.0
20°-30°	671.2	19.5
30°-40°	691.5	20.1
40°-50°	573.1	16.7
50°-60°	411.9	12.0
60°-70°	262.3	7.6
70°-80°	134.7	3.9
80°-90°	34.3	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°	1326.0	38.6
0°-40°	2017.6	58.8
0°-60°	3002.6	87.4
0°-90°	3433.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3433.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1843	1843	1843	1843	1843	
5°	1918	1888	1831	1772	1747	184
15°	1958	1883	1707	1551	1491	552
25°	1806	1682	1432	1248	1179	828
35°	1407	1293	1069	928	876	874
45°	916	851	720	628	598	709
55°	573	526	442	392	365	516
65°	340	303	248	216	226	340
75°	161	139	109	114	122	172
85°	30	27	27	30	32	38
90°	0	0	0	0	0	



TEST NUMBER: P593266

CATALOG NUMBER: HCC6S35D010MB-HM63040950-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1878.2	1870.7	1860.8	1850.9	1835.9	1818.7	1803.7	1798.8	1791.3
5°	1917.8	1907.9	1888.1	1863.2	1831.0	1798.8	1771.5	1754.1	1746.6
7.5°	1942.7	1930.2	1902.9	1860.8	1813.6	1766.5	1726.8	1702.0	1692.0
10°	1947.6	1935.2	1898.0	1840.9	1778.9	1714.4	1664.7	1635.0	1622.6
12.5°	1955.1	1937.7	1890.5	1823.6	1744.2	1669.7	1607.7	1570.5	1558.1
15°	1957.5	1937.7	1883.1	1801.3	1707.0	1617.7	1550.7	1506.0	1491.1
17.5°	1947.6	1925.3	1860.8	1761.6	1654.8	1560.6	1481.2	1434.0	1414.2
20°	1912.8	1888.1	1813.6	1702.0	1585.4	1486.2	1404.3	1354.7	1332.4
22.5°	1868.3	1835.9	1751.7	1632.5	1510.9	1406.7	1324.9	1275.3	1252.9
25°	1806.2	1776.4	1682.1	1555.6	1431.6	1322.4	1248.0	1195.8	1178.6
27.5°	1734.3	1699.5	1602.8	1476.3	1349.6	1240.5	1168.5	1121.5	1099.1
30°	1637.5	1605.2	1508.5	1382.0	1257.9	1156.1	1081.7	1042.0	1032.1
32.5°	1523.4	1496.1	1401.8	1282.6	1163.6	1069.3	1007.4	965.1	955.2
35°	1406.7	1374.5	1292.6	1181.0	1069.3	984.9	927.9	890.7	875.8
37.5°	1280.2	1250.4	1181.0	1081.7	982.5	903.1	853.4	821.2	806.4
40°	1146.2	1123.9	1059.4	980.0	890.7	821.2	779.1	751.8	736.8
42.5°	1022.2	999.9	955.2	880.7	806.4	744.3	707.1	682.3	669.9
45°	915.5	895.7	851.0	786.4	719.5	667.4	627.7	610.3	598.0
47.5°	808.8	798.9	759.3	699.6	637.6	593.0	565.6	545.8	535.9
50°	726.9	714.6	677.3	615.2	563.2	528.4	503.7	486.3	476.4
52.5°	642.6	630.2	595.4	543.4	501.2	468.9	444.2	429.2	419.3
55°	573.1	563.2	526.0	478.8	441.6	414.3	392.0	374.6	364.7
57.5°	508.6	498.7	464.0	419.3	387.1	362.2	342.4	327.5	315.1
60°	449.1	441.6	406.9	364.7	337.4	312.6	295.3	282.9	275.4
62.5°	397.0	382.1	352.3	315.1	290.2	270.4	253.1	245.7	250.6
65°	339.9	332.5	302.7	270.4	248.1	228.3	215.9	220.8	225.8
67.5°	292.8	282.9	258.0	228.3	208.4	193.5	186.1	196.1	198.5
70°	245.7	235.7	213.3	188.6	171.2	161.3	161.3	168.7	171.2
72.5°	201.0	193.5	173.6	153.8	141.4	134.0	139.0	143.9	146.3
75°	161.3	153.8	139.0	121.6	109.1	109.1	114.1	119.0	121.6
77.5°	124.1	119.0	104.2	91.8	86.8	86.8	91.8	94.3	96.7
80°	86.8	81.9	74.5	67.0	62.1	67.0	72.0	72.0	74.5
82.5°	57.1	54.6	49.6	44.7	44.7	47.1	49.6	52.0	52.0
85°	29.8	29.8	27.3	24.9	27.3	29.8	29.8	32.2	32.2
87.5°	9.9	9.9	9.9	9.9	12.4	12.4	12.4	12.4	12.4
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)