

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: P593267

Luminaire Tested: **HCC6S35D010SL-HM63040950-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593267  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S35D010SL-HM63040950-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

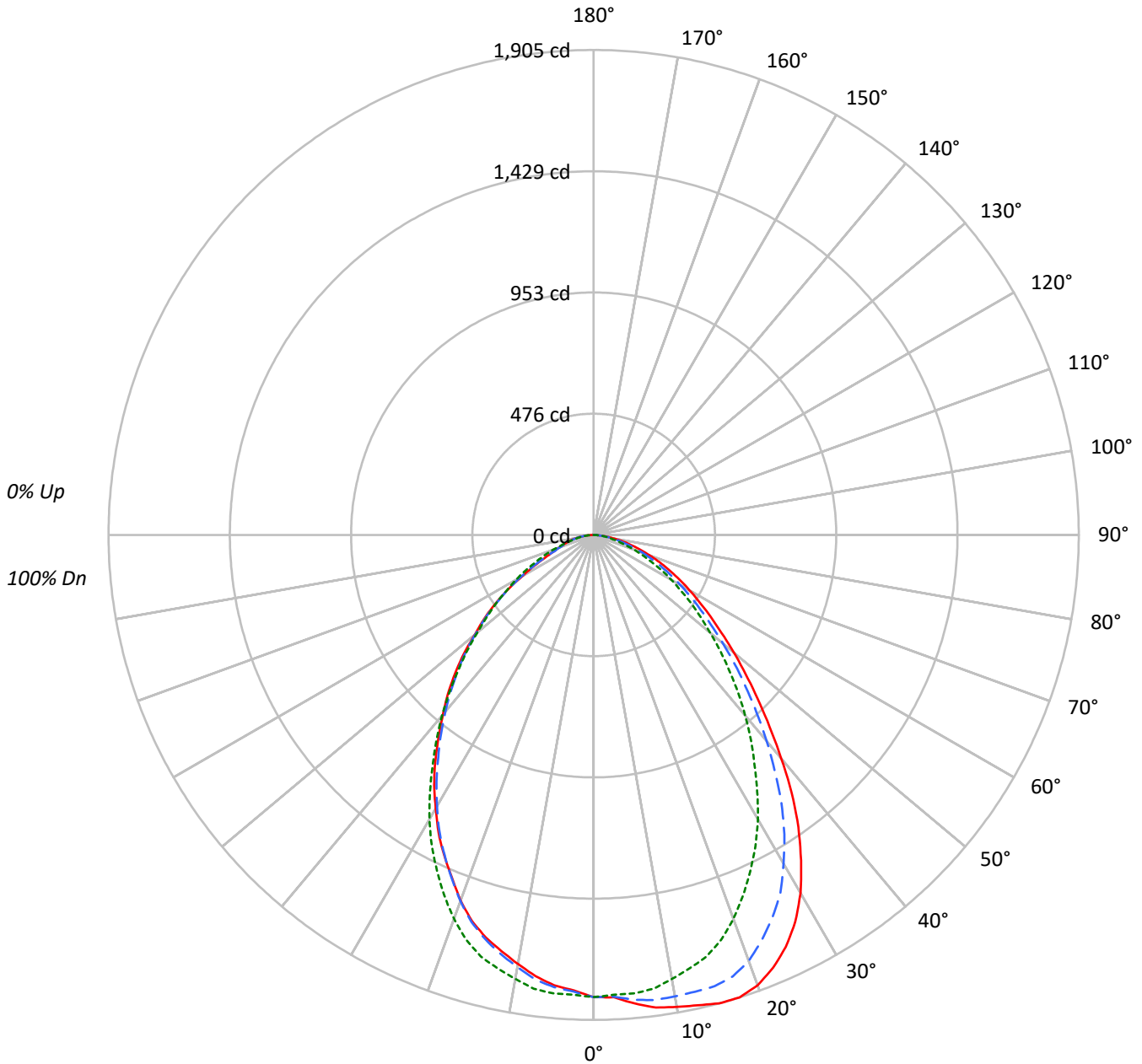
Lumens per Lamp: N/A  
Luminaire Lumens: 3555.5 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P593267  
CATALOG NUMBER: HCC6S35D010SL-HM63040950-61WWWB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P593267

CATALOG NUMBER: HCC6S35D010SL-HM63040950-61WWWB

**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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76					76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66					66			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58					58			
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52					52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	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	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31					31			

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

	0°	90°	180°
0°	99526	99526	99526
5°	101678	99493	97722
10°	104791	98579	95267
15°	108105	97271	92906
20°	109822	93616	89129
25°	108012	88058	84017
30°	102839	81645	78499
35°	93779	73696	72538
40°	82004	66203	65852
45°	70573	58262	59603
50°	61337	50770	51828
55°	53570	44567	45035
60°	47584	38615	35348
65°	42456	32507	27020
70°	37378	26639	22648
75°	32026	21011	21520
80°	25824	18026	21152
85°	17171	15662	18744



TEST NUMBER: P593267  
 CATALOG NUMBER: HCC6S35D010SL-HM63040950-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.9	4.8
10°-20°	489.4	13.8
20°-30°	698.6	19.6
30°-40°	731.7	20.6
40°-50°	616.1	17.3
50°-60°	438.5	12.3
60°-70°	256.7	7.2
70°-80°	121.4	3.4
80°-90°	31.2	0.9
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°	1359.8	38.2
0°-40°	2091.5	58.8
0°-60°	3146.1	88.5
0°-90°	3555.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3555.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1816	1816	1816	1816	1816	
5°	1848	1833	1808	1783	1776	178
15°	1905	1835	1714	1644	1637	538
25°	1786	1659	1456	1386	1389	817
35°	1401	1285	1101	1064	1084	870
45°	910	843	752	754	769	707
55°	560	513	466	466	471	505
65°	327	290	251	211	208	326
75°	151	126	99	97	102	162
85°	27	22	25	30	30	35
90°	0	0	0	0	0	



TEST NUMBER: P593267

CATALOG NUMBER: HCC6S35D010SL-HM63040950-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1815.5	1815.5	1815.5	1815.5	1815.5	1815.5	1815.5	1815.5	1815.5
2.5°	1818.0	1818.0	1815.5	1813.1	1808.0	1800.7	1795.7	1790.8	1790.8
5°	1847.7	1842.8	1832.9	1820.5	1808.0	1793.2	1783.3	1775.8	1775.8
7.5°	1872.6	1862.6	1842.8	1820.5	1798.1	1778.3	1761.0	1751.1	1748.5
10°	1882.5	1870.1	1840.4	1805.6	1770.9	1743.6	1723.8	1711.4	1711.4
12.5°	1892.4	1877.5	1837.8	1788.2	1743.6	1706.4	1686.5	1676.6	1674.2
15°	1904.8	1884.9	1835.3	1773.4	1713.9	1671.6	1644.4	1637.0	1637.0
17.5°	1904.8	1880.0	1818.0	1741.2	1666.7	1619.6	1594.8	1587.4	1589.8
20°	1882.5	1855.2	1780.8	1686.5	1604.7	1555.1	1530.3	1525.4	1527.8
22.5°	1840.4	1808.0	1723.8	1622.0	1532.7	1480.7	1458.4	1458.4	1455.8
25°	1785.7	1751.1	1659.2	1552.6	1455.8	1403.8	1386.4	1389.0	1389.0
27.5°	1713.9	1679.1	1587.4	1473.2	1376.5	1324.4	1312.1	1317.0	1319.5
30°	1624.6	1587.4	1490.6	1379.0	1289.8	1237.6	1230.1	1237.6	1240.1
32.5°	1515.5	1488.2	1393.9	1279.8	1195.5	1150.8	1148.3	1155.8	1165.7
35°	1401.3	1371.6	1284.8	1180.5	1101.2	1064.1	1064.1	1076.4	1083.9
37.5°	1277.3	1247.5	1168.2	1081.3	1014.4	979.7	984.6	997.1	999.5
40°	1145.9	1123.6	1056.6	982.1	925.1	897.9	905.2	917.7	920.2
42.5°	1021.8	1002.0	947.5	880.5	838.3	818.4	828.3	843.3	848.3
45°	910.3	888.0	843.3	786.2	751.5	741.6	754.0	763.9	768.8
47.5°	808.5	788.7	751.5	699.4	674.6	669.6	682.1	687.0	692.0
50°	719.2	699.4	662.3	615.1	595.3	595.3	605.2	610.1	607.7
52.5°	632.5	615.1	580.3	540.7	528.3	528.3	535.8	538.2	543.1
55°	560.5	543.1	513.4	476.3	466.3	461.3	466.3	466.3	471.2
57.5°	493.5	478.7	451.4	416.6	404.2	399.3	396.8	394.3	399.3
60°	434.0	421.6	391.9	362.1	352.2	339.8	329.9	320.0	322.4
62.5°	379.5	367.0	339.8	310.1	300.2	282.8	270.4	257.9	262.9
65°	327.3	315.0	290.2	265.4	250.6	230.7	210.9	203.4	208.3
67.5°	280.3	270.4	245.5	220.8	208.3	186.0	166.2	166.2	168.6
70°	233.2	223.2	203.4	181.0	166.2	146.3	138.9	141.3	141.3
72.5°	190.9	183.6	163.7	143.9	129.0	116.6	116.6	119.0	121.5
75°	151.2	146.3	126.5	109.1	99.2	91.7	96.7	99.2	101.6
77.5°	116.6	109.1	94.3	81.8	74.5	76.9	81.8	84.4	86.8
80°	81.8	79.4	67.0	59.5	57.1	59.5	64.5	67.0	67.0
82.5°	52.0	49.6	42.1	39.7	39.7	42.1	47.1	47.1	47.1
85°	27.3	24.9	22.3	22.3	24.9	27.3	29.8	29.8	29.8
87.5°	9.9	7.5	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)