

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: P582386

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582386
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: HCC6W35D010BZ-HM63040935-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

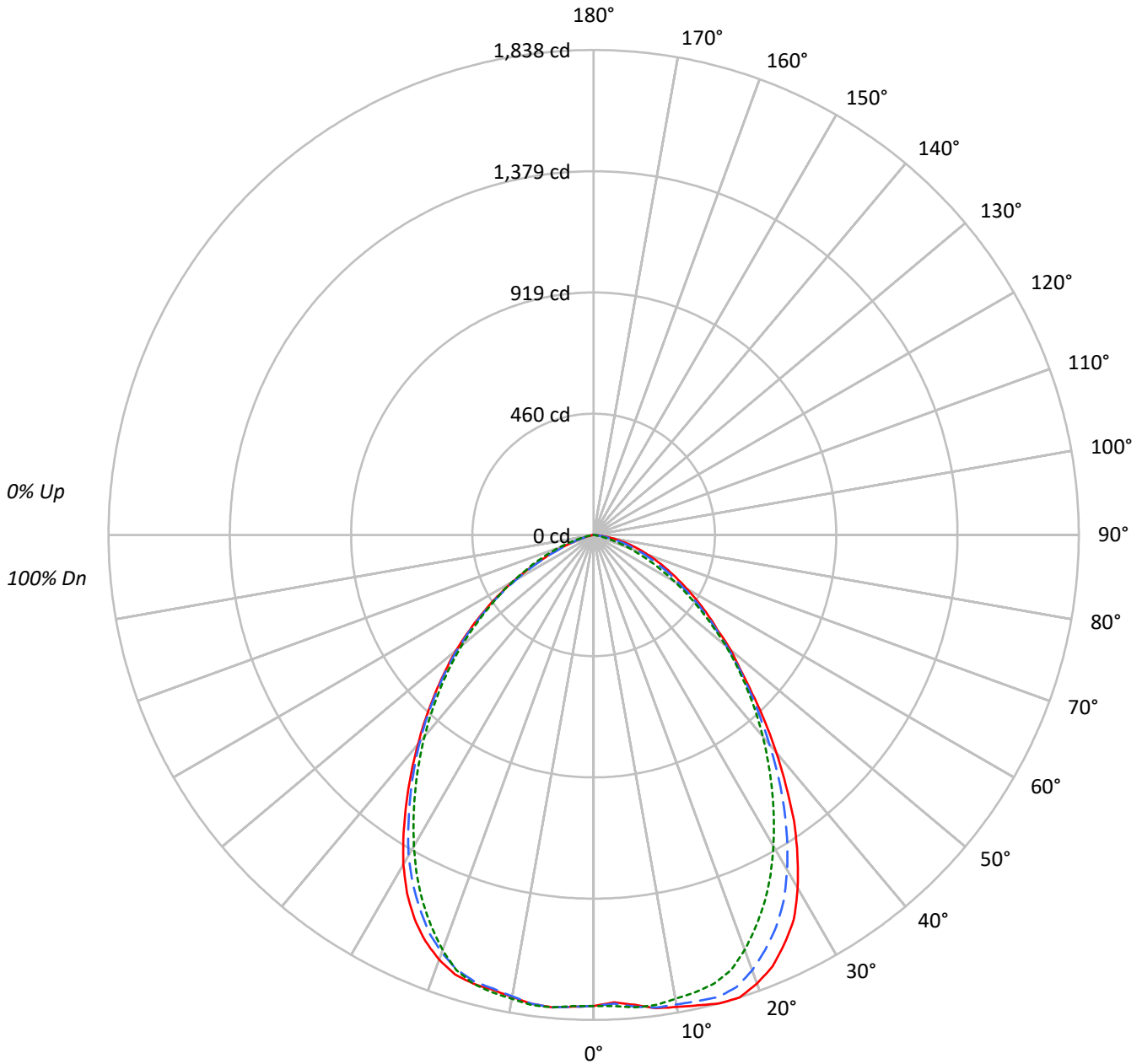
Lumens per Lamp: N/A
Luminaire Lumens: 3604.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (A_{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: P582386
CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P582386

CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61RWWC

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	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°	97865	97865	97865
5°	98371	98899	98899
10°	101123	99375	98968
15°	104337	99944	99944
20°	105552	97647	99910
25°	103439	92763	97149
30°	97844	86209	91261
35°	88546	78835	82724
40°	77030	71319	74082
45°	65821	63580	65821
50°	57764	55700	57968
55°	50407	46937	48772
60°	44547	38988	38451
65°	39537	30743	26358
70°	34878	21718	15900
75°	29717	12285	7689
80°	22130	3820	2273
85°	12202	1572	1572



TEST NUMBER: P582386

CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.2	4.8
10°-20°	501.0	13.9
20°-30°	731.7	20.3
30°-40°	767.4	21.3
40°-50°	646.5	17.9
50°-60°	453.0	12.6
60°-70°	242.8	6.7
70°-80°	81.4	2.3
80°-90°	8.9	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°	1403.9	39.0
0°-40°	2171.3	60.2
0°-60°	3270.8	90.8
0°-90°	3604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3604.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1785	1785	1785	1785	1785	
5°	1788	1795	1797	1797	1797	172
15°	1838	1814	1761	1751	1761	519
25°	1710	1638	1534	1560	1606	783
35°	1323	1256	1178	1212	1236	821
45°	849	834	820	842	849	661
55°	527	510	491	501	510	475
65°	305	278	237	196	203	304
75°	140	109	58	36	36	149
85°	19	10	2	2	2	27
90°	0	0	0	0	0	

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



TEST NUMBER: P582386

CATALOG NUMBER: HCC6W35D010BZ-HM63040935-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1785.2	1785.2	1785.2	1785.2	1785.2	1785.2	1785.2	1785.2	1785.2
2.5°	1773.0	1773.0	1777.9	1782.7	1787.6	1787.6	1789.9	1792.4	1789.9
5°	1787.6	1787.6	1794.8	1797.2	1797.2	1794.8	1797.2	1797.2	1797.2
7.5°	1809.3	1804.5	1806.9	1802.1	1797.2	1794.8	1792.4	1792.4	1792.4
10°	1816.6	1811.8	1806.9	1797.2	1785.2	1777.9	1775.5	1777.9	1777.9
12.5°	1826.2	1821.5	1809.3	1789.9	1775.5	1763.3	1761.0	1765.8	1765.8
15°	1838.4	1833.5	1814.2	1782.7	1761.0	1748.9	1751.3	1756.1	1761.0
17.5°	1838.4	1828.7	1797.2	1756.1	1729.5	1717.4	1727.0	1739.2	1746.4
20°	1809.3	1799.6	1756.1	1705.3	1673.8	1666.6	1683.5	1705.3	1712.6
22.5°	1770.6	1751.3	1700.4	1640.0	1606.1	1606.1	1630.3	1656.9	1666.6
25°	1710.1	1695.7	1637.5	1567.4	1533.6	1531.1	1560.2	1596.5	1606.1
27.5°	1642.4	1623.1	1560.2	1487.6	1451.3	1453.7	1485.2	1521.5	1531.1
30°	1545.7	1521.5	1465.9	1395.7	1361.9	1371.5	1403.0	1429.6	1441.7
32.5°	1436.8	1415.1	1364.2	1299.0	1269.9	1279.6	1306.2	1330.4	1340.1
35°	1323.1	1299.0	1255.5	1197.3	1178.0	1187.7	1211.8	1231.2	1236.1
37.5°	1194.9	1178.0	1146.6	1100.6	1086.1	1098.1	1117.5	1129.7	1134.4
40°	1076.4	1061.9	1035.2	1001.4	996.6	1006.3	1025.6	1032.9	1035.2
42.5°	960.3	948.2	931.3	907.1	907.1	916.8	933.7	938.5	941.0
45°	849.0	841.8	834.5	815.1	820.1	832.1	841.8	849.0	849.0
47.5°	752.2	754.7	745.0	730.5	735.3	747.5	754.7	761.9	761.9
50°	677.3	670.0	660.4	645.8	653.1	662.7	672.4	677.3	679.7
52.5°	590.2	587.8	580.6	563.5	568.4	573.2	582.9	590.2	592.6
55°	527.4	520.0	510.3	491.1	491.1	495.9	500.8	505.5	510.3
57.5°	466.8	459.6	445.1	423.3	420.9	420.9	418.5	423.3	430.5
60°	406.3	403.9	382.2	362.8	355.6	348.3	338.7	341.1	350.7
62.5°	353.1	348.3	329.0	304.8	290.2	278.2	266.1	263.6	273.3
65°	304.8	299.9	278.2	253.9	237.0	215.3	195.9	195.9	203.2
67.5°	261.3	251.6	232.2	205.6	183.8	157.2	137.8	142.7	145.2
70°	217.6	210.4	188.7	162.1	135.5	108.9	96.7	99.2	99.2
72.5°	179.0	169.3	147.5	120.9	94.3	70.1	65.4	62.9	62.9
75°	140.3	130.6	108.9	82.3	58.0	41.1	36.3	36.3	36.3
77.5°	101.6	94.3	75.0	50.8	31.4	19.4	16.9	14.5	14.5
80°	70.1	62.9	46.0	26.6	12.1	7.2	7.2	7.2	7.2
82.5°	41.1	33.8	21.8	12.1	4.8	2.5	2.5	2.5	2.5
85°	19.4	14.5	9.7	4.8	2.5	2.5	2.5	2.5	2.5
87.5°	2.5	2.5	2.5	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)