

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: P582251

Luminaire Tested: **HCC6W30D010BZ-HM63040935-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582251
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: HCC6W30D010BZ-HM63040935-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

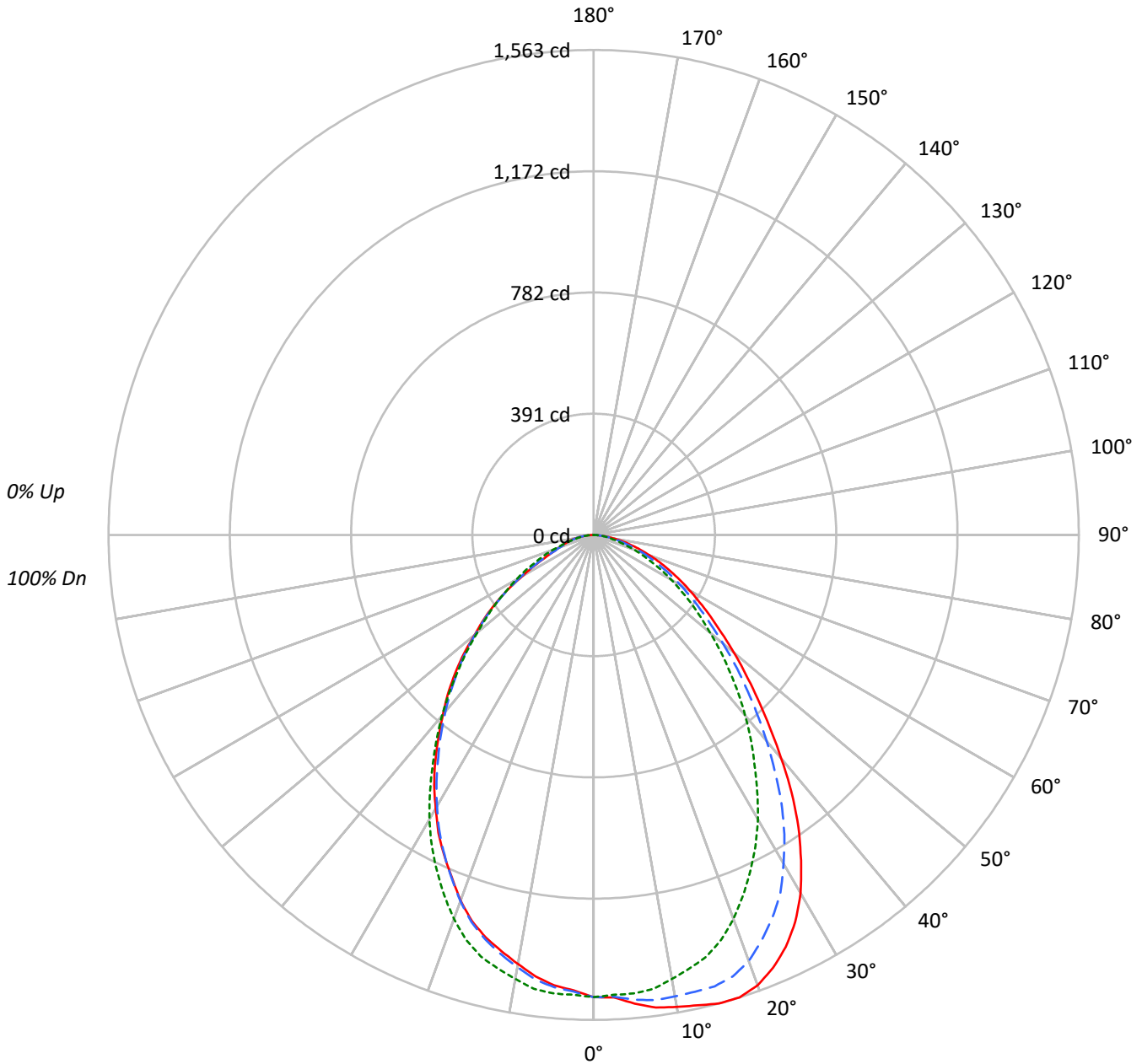
Lumens per Lamp: N/A
Luminaire Lumens: 2917.3 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P582251
CATALOG NUMBER: HCC6W30D010BZ-HM63040935-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P582251

CATALOG NUMBER: HCC6W30D010BZ-HM63040935-61WWWB

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					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°	81666	81666	81666
5°	83430	81636	80184
10°	85981	80888	78166
15°	88701	79807	76226
20°	90110	76814	73133
25°	88626	72258	68937
30°	84380	66985	64409
35°	76948	60465	59521
40°	67276	54323	54030
45°	57897	47803	48912
50°	50335	41653	42515
55°	43955	36567	36959
60°	39043	31675	29011
65°	34842	26670	22181
70°	30662	21863	18593
75°	26285	17241	17686
80°	21215	14775	17332
85°	14089	12769	15347



TEST NUMBER: P582251
 CATALOG NUMBER: HCC6W30D010BZ-HM63040935-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	4.8
10°-20°	401.5	13.8
20°-30°	573.2	19.6
30°-40°	600.4	20.6
40°-50°	505.5	17.3
50°-60°	359.8	12.3
60°-70°	210.6	7.2
70°-80°	99.7	3.4
80°-90°	25.6	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°	1115.7	38.2
0°-40°	1716.1	58.8
0°-60°	2581.4	88.5
0°-90°	2917.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2917.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1490	1490	1490	1490	1490	
5°	1516	1504	1484	1463	1457	146
15°	1563	1506	1406	1349	1343	441
25°	1465	1361	1195	1138	1140	671
35°	1150	1054	904	873	889	714
45°	747	692	617	619	631	580
55°	460	421	383	383	387	415
65°	269	238	206	173	171	268
75°	124	104	81	79	84	133
85°	22	18	20	24	24	29
90°	0	0	0	0	0	

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



TEST NUMBER: P582251

CATALOG NUMBER: HCC6W30D010BZ-HM63040935-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1489.7	1489.7	1489.7	1489.7	1489.7	1489.7	1489.7	1489.7	1489.7
2.5°	1491.7	1491.7	1489.7	1487.7	1483.5	1477.5	1473.4	1469.2	1469.2
5°	1516.1	1512.1	1503.8	1493.7	1483.5	1471.4	1463.2	1457.1	1457.1
7.5°	1536.4	1528.3	1512.1	1493.7	1475.4	1459.1	1444.9	1436.8	1434.8
10°	1544.6	1534.4	1510.0	1481.5	1453.1	1430.6	1414.3	1404.2	1404.2
12.5°	1552.7	1540.6	1508.0	1467.2	1430.6	1400.2	1383.9	1375.7	1373.7
15°	1562.9	1546.7	1506.0	1455.1	1406.2	1371.6	1349.3	1343.1	1343.1
17.5°	1562.9	1542.6	1491.7	1428.6	1367.6	1328.9	1308.5	1302.4	1304.5
20°	1544.6	1522.2	1461.2	1383.9	1316.7	1275.9	1255.6	1251.5	1253.6
22.5°	1510.0	1483.5	1414.3	1331.0	1257.6	1214.9	1196.6	1196.6	1194.6
25°	1465.2	1436.8	1361.4	1273.9	1194.6	1151.8	1137.6	1139.7	1139.7
27.5°	1406.2	1377.7	1302.4	1208.9	1129.4	1086.7	1076.5	1080.6	1082.7
30°	1333.0	1302.4	1223.0	1131.5	1058.2	1015.5	1009.3	1015.5	1017.5
32.5°	1243.5	1221.0	1143.7	1050.1	980.9	944.3	942.3	948.3	956.4
35°	1149.8	1125.4	1054.2	968.7	903.5	873.1	873.1	883.2	889.4
37.5°	1048.1	1023.6	958.5	887.2	832.3	803.9	807.9	818.0	820.2
40°	940.1	921.8	866.9	805.9	759.1	736.7	742.8	753.0	755.0
42.5°	838.5	822.2	777.4	722.4	687.8	671.5	679.8	691.9	696.0
45°	746.8	728.5	691.9	645.2	616.6	608.5	618.6	626.8	630.9
47.5°	663.5	647.2	616.6	573.9	553.5	549.4	559.7	563.7	567.7
50°	590.2	573.9	543.4	504.7	488.4	488.4	496.5	500.6	498.5
52.5°	518.9	504.7	476.2	443.6	433.5	433.5	439.6	441.6	445.6
55°	459.9	445.6	421.3	390.7	382.6	378.6	382.6	382.6	386.7
57.5°	405.0	392.7	370.4	341.8	331.7	327.7	325.7	323.5	327.7
60°	356.1	346.0	321.5	297.1	288.9	278.8	270.6	262.5	264.6
62.5°	311.4	301.2	278.8	254.3	246.2	232.0	221.9	211.6	215.7
65°	268.6	258.5	238.2	217.7	205.6	189.3	173.0	166.8	171.0
67.5°	230.0	221.9	201.4	181.1	171.0	152.7	136.4	136.4	138.4
70°	191.3	183.1	166.8	148.5	136.4	120.1	113.9	116.0	116.0
72.5°	156.7	150.6	134.4	118.1	105.8	95.6	95.6	97.7	99.8
75°	124.1	120.1	103.8	89.5	81.4	75.3	79.4	81.4	83.5
77.5°	95.6	89.5	77.3	67.2	61.0	63.1	67.2	69.2	71.2
80°	67.2	65.2	54.9	48.9	46.8	48.9	52.9	54.9	54.9
82.5°	42.7	40.7	34.6	32.6	32.6	34.6	38.6	38.6	38.6
85°	22.4	20.3	18.3	18.3	20.3	22.4	24.4	24.4	24.4
87.5°	8.1	6.1	8.1	8.1	10.2	10.2	10.2	10.2	10.2
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)