

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: P582359

Luminaire Tested: **HCC6S35D010BZ-HM63040927-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582359
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: HCC6S35D010BZ-HM63040927-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

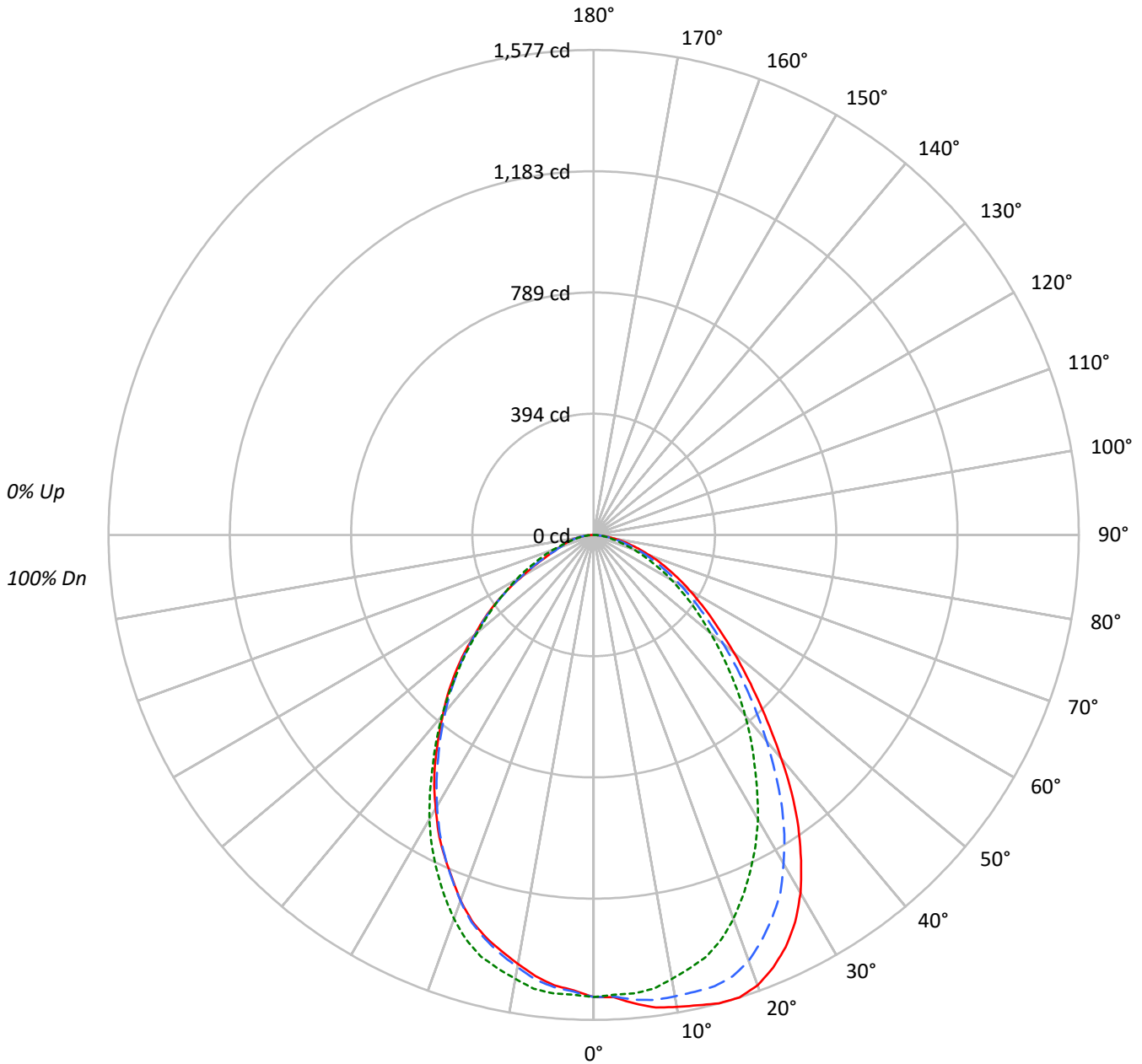
Lumens per Lamp: N/A
Luminaire Lumens: 2943.0 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (A_{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: P582359
CATALOG NUMBER: HCC6S35D010BZ-HM63040927-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582359

CATALOG NUMBER: HCC6S35D010BZ-HM63040927-61WWWB

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°	82378	82378	82378
5°	84168	82363	80893
10°	86739	81601	78856
15°	89484	80511	76902
20°	90903	77491	73781
25°	89406	72899	69542
30°	85121	67580	64978
35°	77631	61000	60043
40°	67877	54803	54509
45°	58409	48222	49346
50°	50779	42020	42898
55°	44347	36883	37284
60°	39394	31960	29263
65°	35153	26903	22376
70°	30935	22055	18769
75°	26518	17411	17813
80°	21404	14932	17490
85°	14215	12894	15473



TEST NUMBER: P582359
 CATALOG NUMBER: HCC6S35D010BZ-HM63040927-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.3	4.8
10°-20°	405.1	13.8
20°-30°	578.2	19.6
30°-40°	605.7	20.6
40°-50°	509.9	17.3
50°-60°	363.0	12.3
60°-70°	212.5	7.2
70°-80°	100.5	3.4
80°-90°	25.9	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°	1125.6	38.2
0°-40°	1731.3	58.8
0°-60°	2604.2	88.5
0°-90°	2943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2943.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1503	1503	1503	1503	1503	
5°	1530	1517	1497	1476	1470	147
15°	1577	1519	1419	1361	1355	445
25°	1478	1373	1205	1148	1150	677
35°	1160	1064	912	881	897	720
45°	753	698	622	624	636	585
55°	464	425	386	386	390	418
65°	271	240	207	174	172	270
75°	125	105	82	80	84	134
85°	23	18	20	25	25	29
90°	0	0	0	0	0	

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



TEST NUMBER: P582359

CATALOG NUMBER: HCC6S35D010BZ-HM63040927-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7	1502.7
2.5°	1504.8	1504.8	1502.7	1500.8	1496.7	1490.5	1486.4	1482.3	1482.3
5°	1529.5	1525.4	1517.2	1506.9	1496.7	1484.3	1476.1	1470.0	1470.0
7.5°	1550.0	1541.8	1525.4	1506.9	1488.4	1472.1	1457.6	1449.4	1447.3
10°	1558.2	1547.9	1523.3	1494.6	1465.9	1443.2	1426.9	1416.6	1416.6
12.5°	1566.5	1554.1	1521.3	1480.2	1443.2	1412.4	1396.1	1387.8	1385.8
15°	1576.7	1560.3	1519.2	1467.9	1418.6	1383.7	1361.2	1355.0	1355.0
17.5°	1576.7	1556.2	1504.8	1441.2	1379.6	1340.6	1320.1	1313.9	1316.0
20°	1558.2	1535.7	1474.0	1396.1	1328.3	1287.2	1266.7	1262.6	1264.7
22.5°	1523.3	1496.7	1426.9	1342.6	1268.8	1225.6	1207.1	1207.1	1205.2
25°	1478.1	1449.4	1373.4	1285.2	1205.2	1162.0	1147.6	1149.7	1149.7
27.5°	1418.6	1389.9	1313.9	1219.5	1139.5	1096.3	1086.0	1090.1	1092.2
30°	1344.7	1313.9	1233.9	1141.4	1067.6	1024.4	1018.3	1024.4	1026.5
32.5°	1254.4	1231.8	1153.8	1059.4	989.5	952.6	950.5	956.7	964.9
35°	1160.0	1135.3	1063.5	977.2	911.5	880.7	880.7	891.0	897.2
37.5°	1057.3	1032.7	967.0	895.1	839.7	810.9	815.0	825.3	827.4
40°	948.5	930.0	874.5	812.9	765.8	743.1	749.3	759.6	761.7
42.5°	845.8	829.4	784.2	728.8	693.9	677.4	685.7	698.0	702.2
45°	753.4	735.0	698.0	650.8	622.0	613.8	624.1	632.3	636.5
47.5°	669.3	652.8	622.0	578.9	558.4	554.3	564.6	568.7	572.8
50°	595.4	578.9	548.1	509.2	492.7	492.7	500.9	505.1	503.0
52.5°	523.5	509.2	480.5	447.5	437.3	437.3	443.5	445.4	449.6
55°	464.0	449.6	425.0	394.2	385.9	381.8	385.9	385.9	390.1
57.5°	408.6	396.2	373.7	344.8	334.7	330.5	328.5	326.4	330.5
60°	359.3	349.0	324.4	299.7	291.5	281.2	273.1	264.8	266.9
62.5°	314.2	303.9	281.2	256.6	248.5	234.1	223.8	213.6	217.6
65°	271.0	260.7	240.2	219.6	207.4	190.9	174.5	168.4	172.5
67.5°	232.0	223.8	203.3	182.8	172.5	153.9	137.6	137.6	139.6
70°	193.0	184.7	168.4	149.8	137.6	121.1	114.9	117.1	117.1
72.5°	158.1	151.9	135.5	119.0	106.8	96.5	96.5	98.5	100.6
75°	125.2	121.1	104.7	90.3	82.2	76.0	80.1	82.2	84.1
77.5°	96.5	90.3	78.1	67.8	61.6	63.6	67.8	69.8	71.9
80°	67.8	65.7	55.4	49.2	47.3	49.2	53.3	55.4	55.4
82.5°	43.1	41.1	34.9	32.8	32.8	34.9	39.0	39.0	39.0
85°	22.6	20.5	18.4	18.4	20.5	22.6	24.6	24.6	24.6
87.5°	8.2	6.2	8.2	8.2	10.3	10.3	10.3	10.3	10.3
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)