

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: P582384

Luminaire Tested: **HCC6S35D010SL-HM63040935-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S35D010SL-HM63040935-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

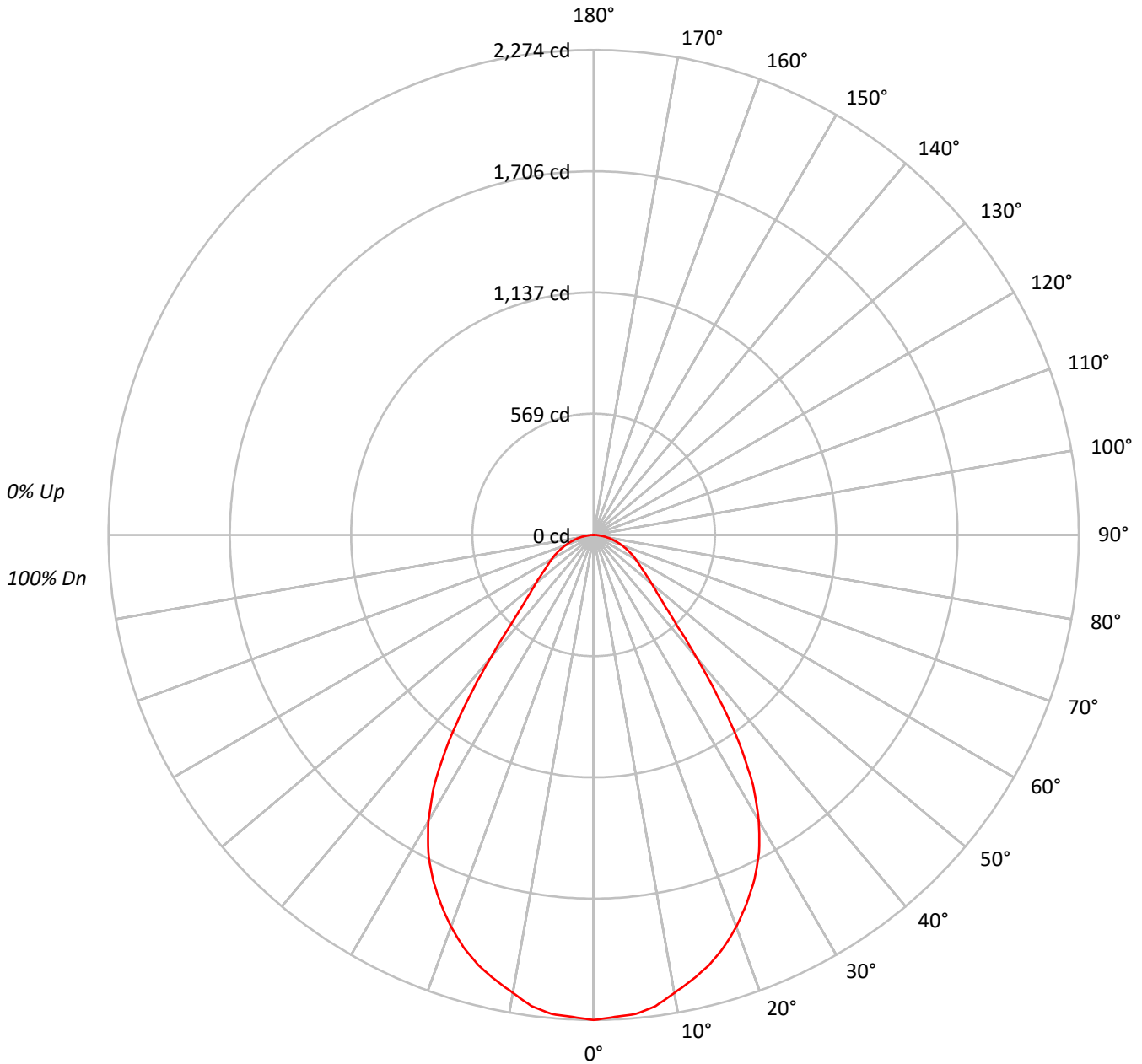
Lumens per Lamp: N/A
Luminaire Lumens: 3292.0 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582384
CATALOG NUMBER: HCC6S35D010SL-HM63040935-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582384

CATALOG NUMBER: HCC6S35D010SL-HM63040935-61NDW

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			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124688
5°	124097
10°	121357
15°	118508
20°	114057
25°	107867
30°	98028
35°	79351
40°	53507
45°	36771
50°	30131
55°	26369
60°	24932
65°	23543
70°	22103
75°	21011
80°	19100
85°	16731



TEST NUMBER: P582384
 CATALOG NUMBER: HCC6S35D010SL-HM63040935-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.9	6.5
10°-20°	586.4	17.8
20°-30°	814.7	24.7
30°-40°	725.4	22.0
40°-50°	385.1	11.7
50°-60°	251.9	7.7
60°-70°	180.4	5.5
70°-80°	104.6	3.2
80°-90°	30.6	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°	1614.0	49.0
0°-40°	2339.4	71.1
0°-60°	2976.3	90.4
0°-90°	3292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3292.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2274	
5°	2255	213
15°	2088	586
25°	1783	815
35°	1186	725
45°	474	385
55°	276	252
65°	182	180
75°	99	105
85°	27	31
90°	0	



TEST NUMBER: P582384
CATALOG NUMBER: HCC6S35D010SL-HM63040935-61NDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2274.5
2.5°	2262.3
5°	2255.1
7.5°	2228.5
10°	2180.1
12.5°	2136.5
15°	2088.1
17.5°	2027.7
20°	1955.1
22.5°	1872.8
25°	1783.3
27.5°	1679.2
30°	1548.6
32.5°	1391.3
35°	1185.7
37.5°	958.2
40°	747.7
42.5°	580.7
45°	474.3
47.5°	404.1
50°	353.3
52.5°	312.2
55°	275.9
57.5°	249.3
60°	227.4
62.5°	205.6
65°	181.5
67.5°	159.6
70°	137.9
72.5°	118.6
75°	99.2
77.5°	79.8
80°	60.5
82.5°	43.5
85°	26.6
87.5°	12.1
90°	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°

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)