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: P582193

Luminaire Tested: **HCC6S30D010MW-HM63040840-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method:	LM-41-14
Report Number:	P582193
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	9/16/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	HALO COMMERCIAL
Catalog Number:	HCC6S30D010MW-HM63040840-61WDW
Description:	HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source:	(1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3496.3 lumens
Efficiency:	N/A
Efficacy:	124.9 lumens/watt
Spacing Criteria (0/90/45):	1.11 / 1.11 / 1.09
Luminous Opening:	Circular (Dia: 0.5' x H: 0')
CIE Type:	Direct

Input Watts (W):	28
Input Voltage (V):	NR
Input Current (Ain):	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

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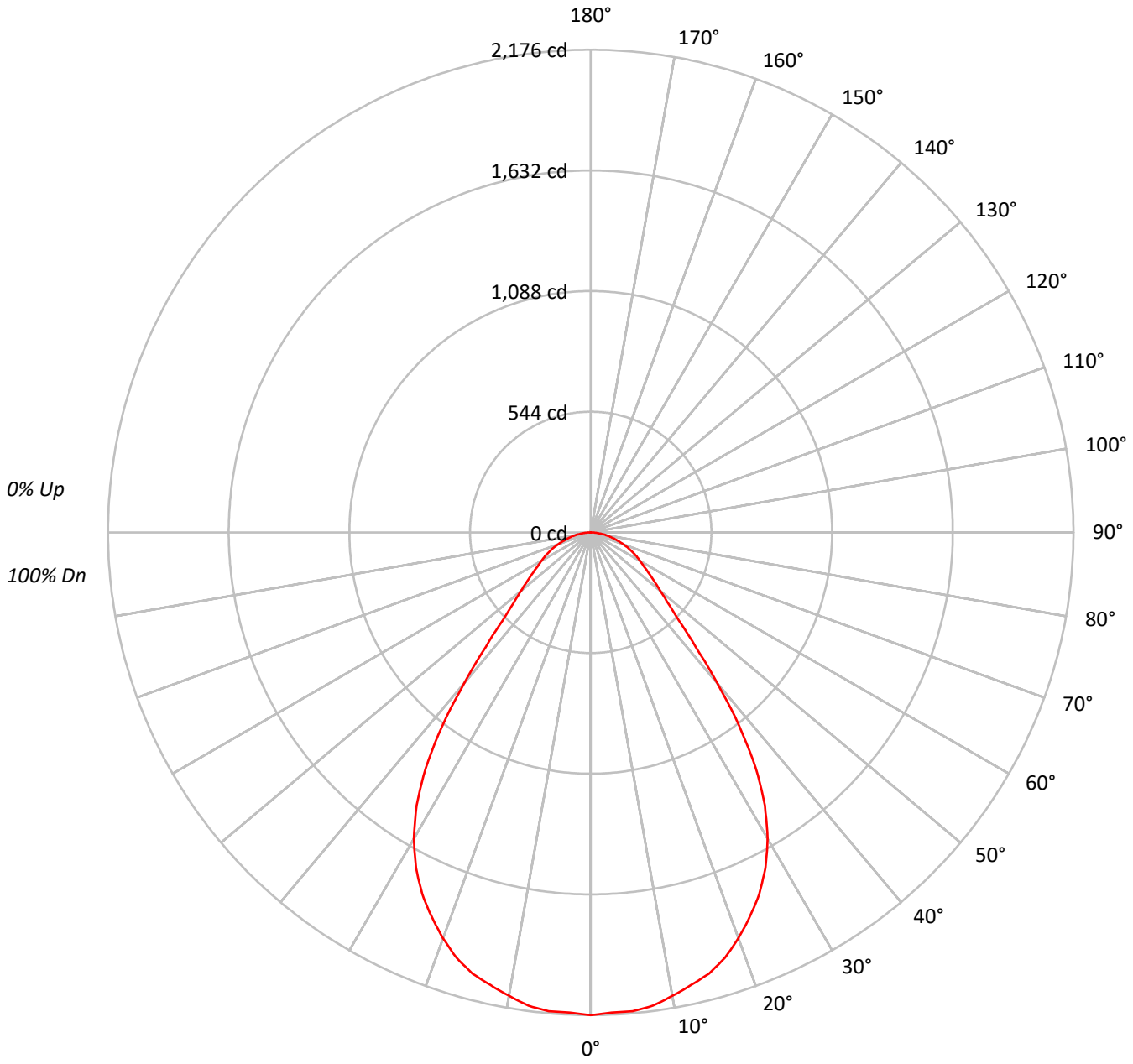
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	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	89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119316
5°	119238
10°	118084
15°	116862
20°	113556
25°	108762
30°	100940
35°	86846
40°	63397
45°	43439
50°	34916
55°	30431
60°	28090
65°	26708
70°	24940
75°	23320
80°	21183
85°	18115

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.4	5.9
10°-20°	578.3	16.5
20°-30°	822.5	23.5
30°-40°	791.8	22.6
40°-50°	455.6	13.0
50°-60°	288.7	8.3
60°-70°	204.3	5.8
70°-80°	116.5	3.3
80°-90°	33.3	1.0
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°	1606.2	45.9
0°-40°	2398.0	68.6
0°-60°	3142.2	89.9
0°-90°	3496.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3496.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2176	
5°	2167	205
15°	2059	578
25°	1798	822
35°	1298	792
45°	560	456
55°	318	289
65°	206	204
75°	110	116
85°	29	33
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2176.5
2.5°	2166.8
5°	2166.8
7.5°	2152.4
10°	2121.3
12.5°	2090.3
15°	2059.1
17.5°	2011.2
20°	1946.5
22.5°	1874.7
25°	1798.1
27.5°	1704.8
30°	1594.6
32.5°	1460.6
35°	1297.7
37.5°	1099.0
40°	885.9
42.5°	699.1
45°	560.3
47.5°	471.7
50°	409.4
52.5°	359.2
55°	318.4
57.5°	282.5
60°	256.2
62.5°	232.2
65°	205.9
67.5°	181.9
70°	155.6
72.5°	131.7
75°	110.1
77.5°	88.6
80°	67.1
82.5°	47.9
85°	28.8
87.5°	12.0
90°	0.0

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0°-180°

(END OF REPORT)