

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

Report Number: P294422

Luminaire Tested: **HLC6099501EWH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P294422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1901-118-1)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HLC6099501EWH
Description: HALO HLC 6 INCH SELECTABLE CCT LED FIXTURE
Light Source: (14) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

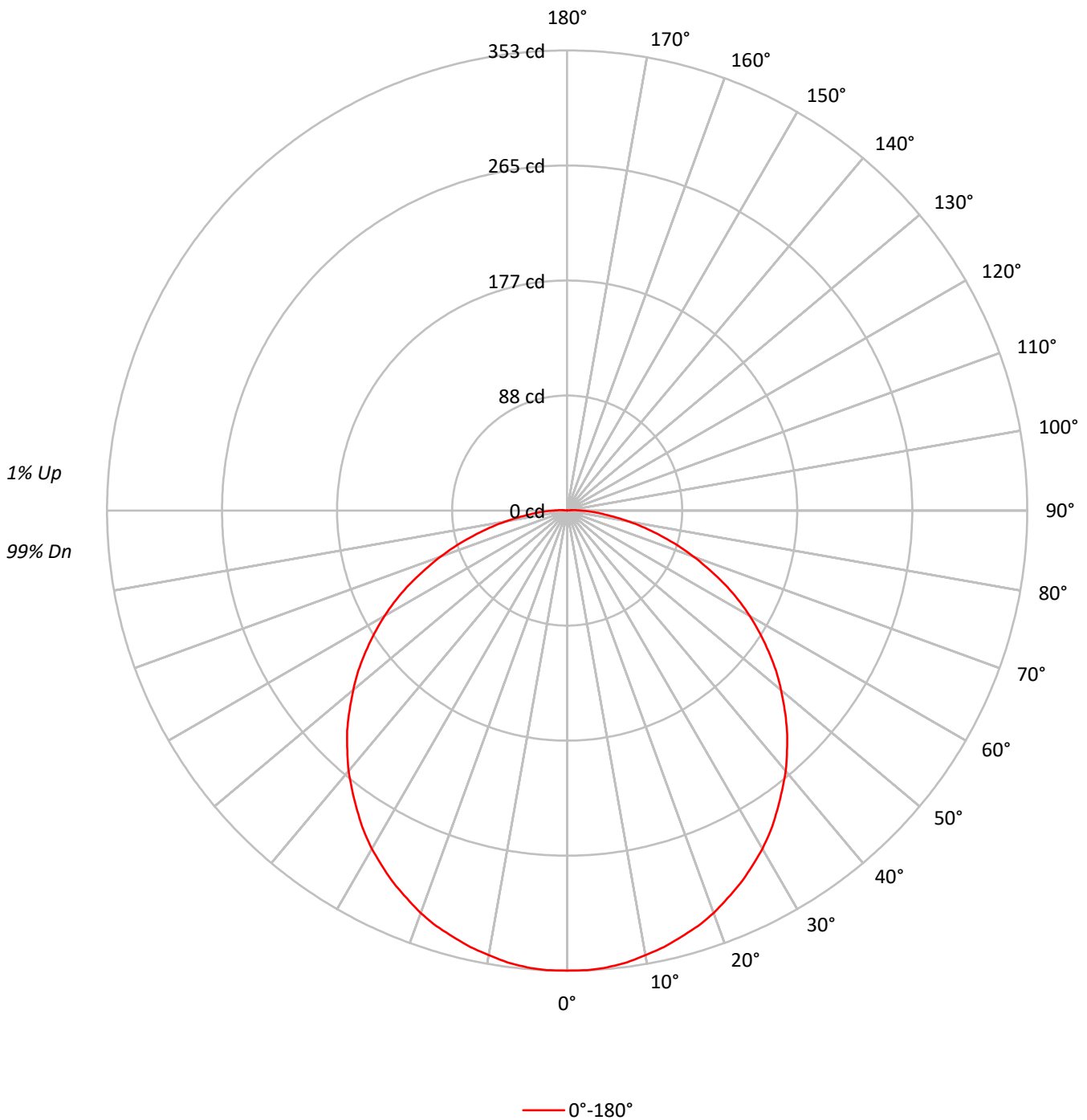
Lumens per Lamp: N/A
Luminaire Lumens: 1048.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Vertical Cylinder (Dia: 0.38' x H: 0.04')
CIE Type: Direct

Input Watts (W): 15.7
Input Voltage (V): 120
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			
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	99
1	108	103	99	95	105	101	97	93	96	93	90		92	90	87		89	86	84	82
2	98	89	82	76	95	88	81	75	84	78	74		80	76	72		77	74	70	68
3	89	78	70	63	87	77	69	63	74	67	61		71	65	60		68	63	59	57
4	82	69	60	53	79	68	59	53	65	58	52		63	57	51		61	55	51	48
5	75	62	53	46	73	61	52	46	58	51	45		56	50	44		54	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39		51	44	39		49	43	39	36
7	64	50	41	35	62	49	41	35	48	40	35		46	40	34		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		42	36	31		41	35	31	29
9	56	42	34	28	54	41	34	28	40	33	28		39	32	28		38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25		36	30	25		35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34393
5°	33996
10°	33436
15°	32906
20°	32401
25°	31797
30°	31170
35°	30397
40°	29659
45°	28810
50°	27791
55°	26673
60°	25362
65°	23567
70°	21176
75°	18335
80°	14854
85°	10896



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	3.2
10°-20°	95.6	9.1
20°-30°	145.2	13.9
30°-40°	175.8	16.8
40°-50°	183.9	17.5
50°-60°	168.7	16.1
60°-70°	131.4	12.5
70°-80°	79.0	7.5
80°-90°	29.5	2.8
90°-100°	5.0	0.5
100°-110°	0.4	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°	274.3	26.2
0°-40°	450.1	42.9
0°-60°	802.6	76.6
0°-90°	1042.5	99.5
90°-120°	5.4	0.5
90°-150°	5.4	0.5
90°-180°	5.0	0.5
0°-180°	1048.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	353	
5°	352	33
15°	338	96
25°	315	145
35°	281	176
45°	239	184
55°	189	169
65°	133	131
75°	74	79
85°	26	26
90°	11	6
95°	3	3
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	352.9
2.5°	352.9
5°	351.8
7.5°	349.6
10°	346.3
12.5°	342.9
15°	338.5
17.5°	334.1
20°	328.5
22.5°	321.8
25°	315.2
27.5°	307.4
30°	299.6
32.5°	290.8
35°	280.8
37.5°	270.8
40°	260.8
42.5°	249.7
45°	238.6
47.5°	226.4
50°	214.2
52.5°	202.0
55°	188.7
57.5°	175.3
60°	162.0
62.5°	147.6
65°	133.2
67.5°	117.6
70°	103.2
72.5°	88.8
75°	74.4
77.5°	61.0
80°	47.7
82.5°	35.5
85°	25.5
87.5°	17.8
90°	11.1
92.5°	6.7
95°	3.3
97.5°	2.2
100°	1.1
102.5°	1.1
105°	0.0
107.5°	0.0
110°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)