

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: P248240

Luminaire Tested: **BLD6089SWH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P248240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1804-735-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: BLD6089SWH
Description: 6" BLD, 800 SeleCCT Series, Matte White
Light Source: (48) 3000K CCT, 93 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

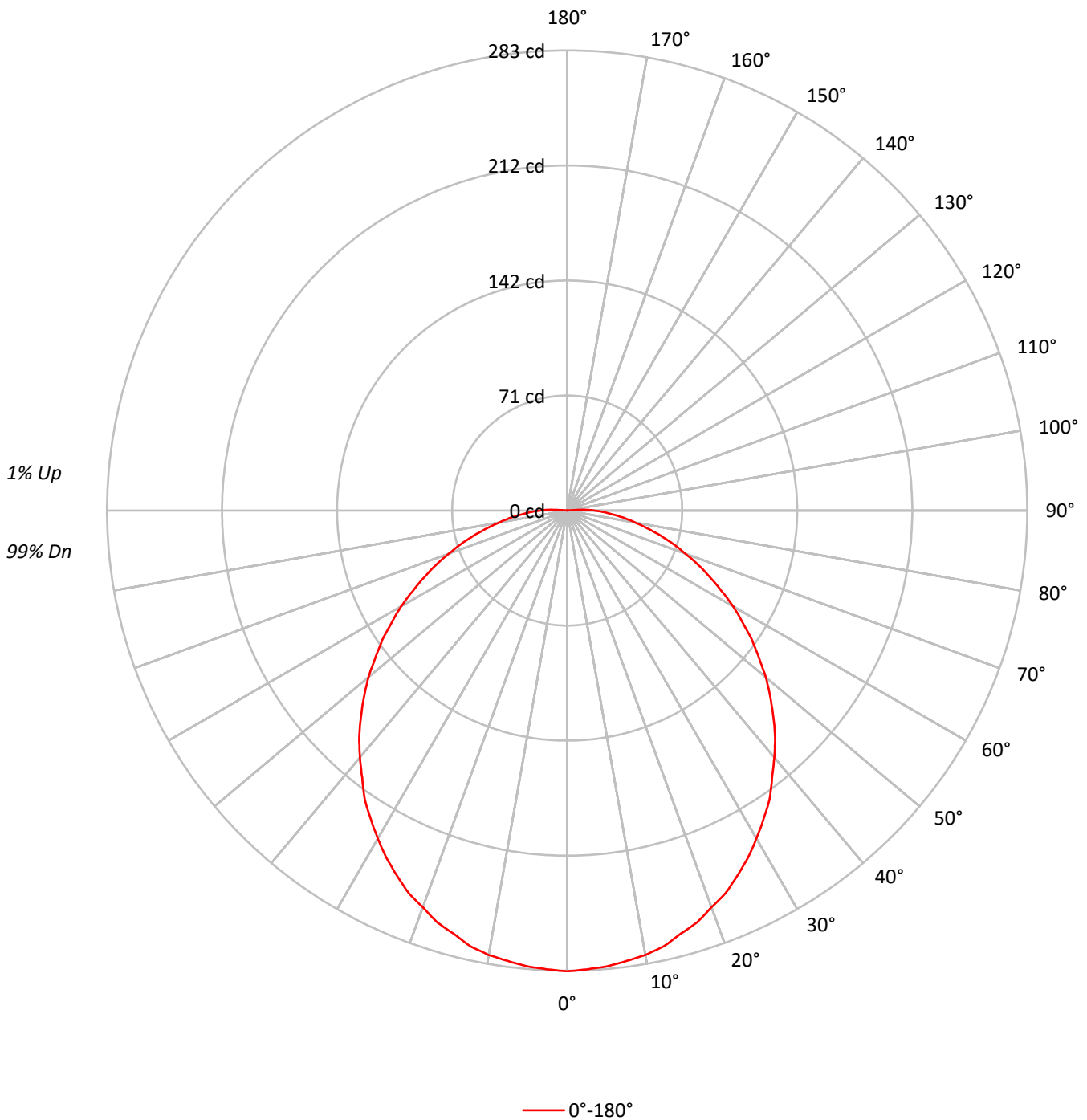
Lumens per Lamp: N/A
Luminaire Lumens: 812.0 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 0.42' x H: 0.06')
CIE Type: Direct

Input Watts (W): 10.3
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			
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		101	101	101	99
1	108	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	83	81
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77	73	69	67
3	89	78	70	63	86	76	69	62	73	67	61		70	65	60		68	63	59	56
4	81	69	60	53	79	68	59	53	65	58	52		63	56	51		60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45		56	50	44		54	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39		51	44	39		49	43	39	36
7	64	50	42	35	62	50	41	35	48	40	35		46	40	35		45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31		43	36	31		41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	26		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	22372
5°	21932
10°	21519
15°	20953
20°	20391
25°	19811
30°	19121
35°	18445
40°	17603
45°	16816
50°	15956
55°	14998
60°	13987
65°	12867
70°	11701
75°	10596
80°	9297
85°	8167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	3.3
10°-20°	76.1	9.4
20°-30°	114.1	14.1
30°-40°	135.3	16.7
40°-50°	138.4	17.0
50°-60°	123.9	15.3
60°-70°	96.3	11.9
70°-80°	62.9	7.7
80°-90°	31.9	3.9
90°-100°	6.4	0.8
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°	217.0	26.7
0°-40°	352.3	43.4
0°-60°	614.6	75.7
0°-90°	805.6	99.2
90°-120°	6.4	0.8
90°-150°	6.4	0.8
90°-180°	6.0	0.7
0°-180°	812.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	283	
5°	281	27
15°	270	76
25°	248	114
35°	217	135
45°	179	138
55°	139	124
65°	97	96
75°	60	63
85°	29	26
90°	17	9
95°	3	2
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°	283.4
2.5°	282.4
5°	281.4
7.5°	279.4
10°	277.5
12.5°	274.5
15°	269.5
17.5°	265.6
20°	259.6
22.5°	254.7
25°	247.7
27.5°	240.8
30°	232.9
32.5°	224.9
35°	217.0
37.5°	207.1
40°	198.2
42.5°	189.3
45°	179.4
47.5°	169.4
50°	159.5
52.5°	148.6
55°	138.7
57.5°	127.8
60°	117.9
62.5°	107.0
65°	97.1
67.5°	87.2
70°	77.3
72.5°	68.4
75°	59.5
77.5°	50.5
80°	42.6
82.5°	35.7
85°	28.7
87.5°	22.8
90°	16.8
92.5°	11.9
95°	3.0
97.5°	0.0
100°	0.0
102.5°	0.0
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)