

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P622381

Luminaire Tested: **HLB6099WZRGBWMWR 5000K**

Issue Date: 9/27/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P622381
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 9/27/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: HLB6099WZRGBWMWR 5000K
 Description: 6 INCH HLB WiZ SELECTABLE CCT
 Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
 Ballast/Driver: -

Summary

Lumens per Lamp: N/A
 Luminaire Lumens: 1065.0 lumens
 Efficiency: N/A
 Efficacy: 89.5 lumens/watt
 Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.34
 Luminous Opening: Circular (Dia: 0.42' x H: 0')
 CIE Type: Direct

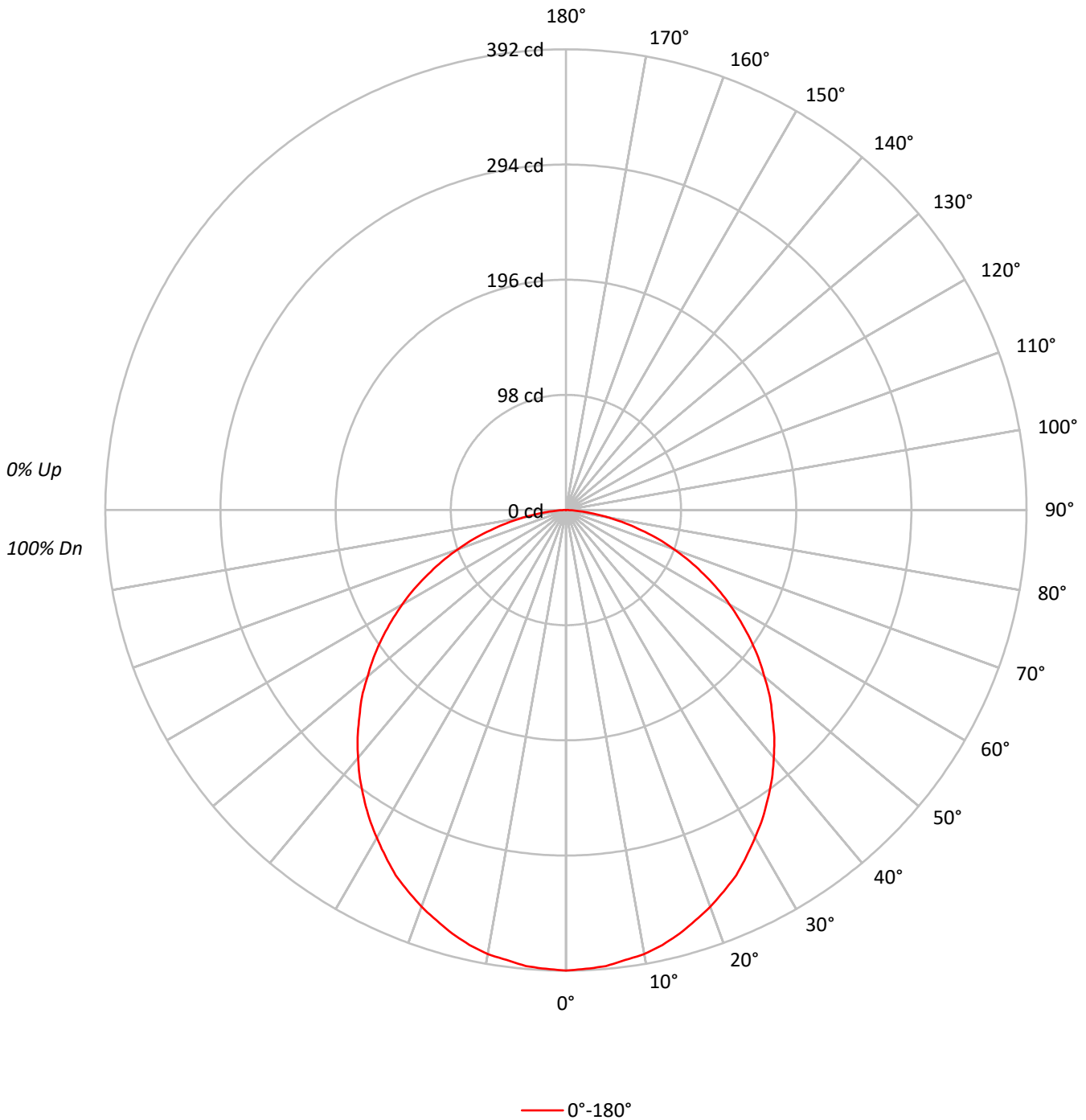
Input Watts (W): 11.9
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT



Meas		Calibration Due Date	
Instrument	Identificatio		
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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CATALOG NUMBER: HLB6099WZRGBWMWR 5000K

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	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30934
5°	30871
10°	30760
15°	30503
20°	30182
25°	29871
30°	29346
35°	28888
40°	28370
45°	27738
50°	27072
55°	26332
60°	25407
65°	24177
70°	22605
75°	20267
80°	16972
85°	10584

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	3.5
10°-20°	105.2	9.9
20°-30°	157.7	14.8
30°-40°	187.6	17.6
40°-50°	191.9	18.0
50°-60°	171.0	16.1
60°-70°	128.4	12.1
70°-80°	70.7	6.6
80°-90°	15.5	1.5
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°	299.9	28.2
0°-40°	487.4	45.8
0°-60°	850.4	79.8
0°-90°	1065.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1065.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	392	
5°	390	37
15°	373	105
25°	343	158
35°	300	188
45°	248	192
55°	191	171
65°	129	128
75°	66	71
85°	12	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	391.9
2.5°	390.8
5°	389.6
7.5°	386.1
10°	383.7
12.5°	379.1
15°	373.2
17.5°	366.2
20°	359.3
22.5°	351.1
25°	342.9
27.5°	332.4
30°	321.9
32.5°	311.4
35°	299.8
37.5°	288.1
40°	275.3
42.5°	262.4
45°	248.5
47.5°	235.6
50°	220.4
52.5°	206.5
55°	191.3
57.5°	176.2
60°	160.9
62.5°	145.8
65°	129.4
67.5°	114.3
70°	97.9
72.5°	82.8
75°	66.4
77.5°	51.3
80°	37.3
82.5°	23.4
85°	11.7
87.5°	3.5
90°	0.0

(END OF REPORT)