

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: P622379

Luminaire Tested: **HLB6099WZRGBWMWR 3500K**

Issue Date: 9/27/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P622379
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 9/27/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: HLB6099WZRGBWMWR 3500K
 Description: 6 INCH HLB WiZ SELECTABLE CCT
 Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
 Ballast/Driver: -

Summary

Lumens per Lamp: N/A
 Luminaire Lumens: 1040.0 lumens
 Efficiency: N/A
 Efficacy: 86.7 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

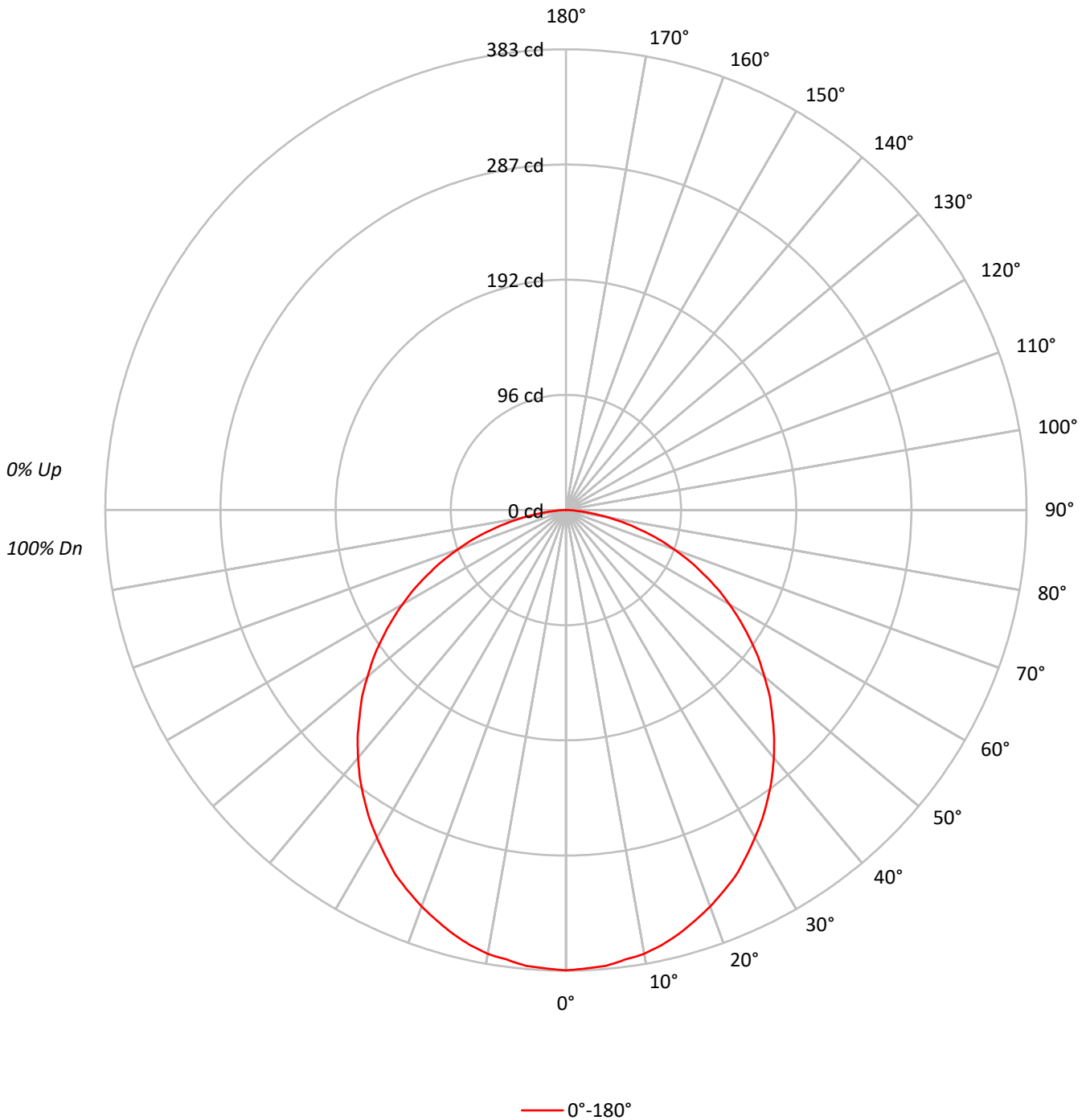
Input Watts (W): 12
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT



Meas		Calibratio	
Instrument	Identificatio		Calibration Due Date
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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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84	84	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70	70	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	61	59	59	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51	51	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44	44	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38	38	38
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36	34	34	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30	30	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	27	27	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25	25	25

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30211
5°	30147
10°	30036
15°	29791
20°	29468
25°	29168
30°	28660
35°	28213
40°	27705
45°	27090
50°	26438
55°	25710
60°	24812
65°	23613
70°	22083
75°	19806
80°	16580
85°	10295

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	3.5
10°-20°	102.8	9.9
20°-30°	154.0	14.8
30°-40°	183.2	17.6
40°-50°	187.5	18.0
50°-60°	167.0	16.1
60°-70°	125.4	12.1
70°-80°	69.1	6.6
80°-90°	15.2	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°	292.8	28.2
0°-40°	476.0	45.8
0°-60°	830.4	79.8
0°-90°	1040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1040.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	383	
5°	380	36
15°	365	103
25°	335	154
35°	293	183
45°	243	187
55°	187	167
65°	126	125
75°	65	69
85°	11	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	382.7
2.5°	381.5
5°	380.4
7.5°	377.0
10°	374.7
12.5°	370.2
15°	364.5
17.5°	357.6
20°	350.8
22.5°	342.9
25°	334.9
27.5°	324.6
30°	314.4
32.5°	304.1
35°	292.8
37.5°	281.3
40°	268.8
42.5°	256.3
45°	242.7
47.5°	230.1
50°	215.3
52.5°	201.6
55°	186.8
57.5°	172.0
60°	157.2
62.5°	142.3
65°	126.4
67.5°	111.6
70°	95.7
72.5°	80.9
75°	64.9
77.5°	50.1
80°	36.5
82.5°	22.7
85°	11.4
87.5°	3.5
90°	0.0

(END OF REPORT)