

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: P622378

Luminaire Tested: **HLB6099WZRGBWMWR 3000K**

Issue Date: 9/27/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P622378
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 9/27/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: HLB6099WZRGBWMWR 3000K
 Description: 6 INCH HLB WiZ SELECTABLE CCT
 Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
 Ballast/Driver: -

Summary

Lumens per Lamp: N/A
 Luminaire Lumens: 1020.0 lumens
 Efficiency: N/A
 Efficacy: 86.4 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

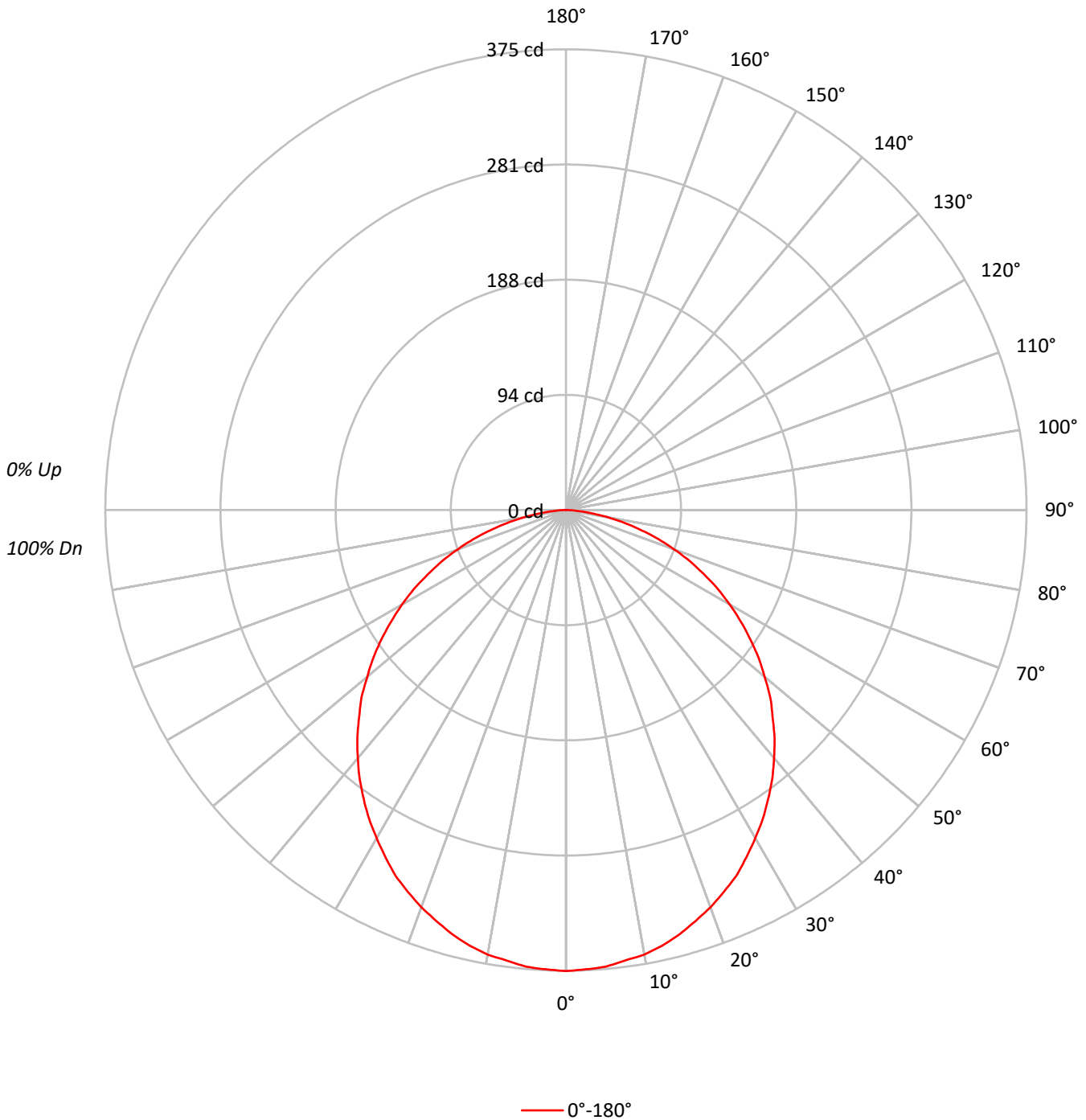
Input Watts (W): 11.8
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT



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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CATALOG NUMBER: HLB6099WZRGBWMWR 3000K

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°	29627
5°	29568
10°	29460
15°	29215
20°	28905
25°	28606
30°	28104
35°	27672
40°	27164
45°	26569
50°	25925
55°	25216
60°	24339
65°	23165
70°	21667
75°	19409
80°	16255
85°	10082

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	3.5
10°-20°	100.8	9.9
20°-30°	151.0	14.8
30°-40°	179.6	17.6
40°-50°	183.8	18.0
50°-60°	163.7	16.1
60°-70°	123.0	12.1
70°-80°	67.7	6.6
80°-90°	14.9	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°	287.2	28.2
0°-40°	466.8	45.8
0°-60°	814.4	79.8
0°-90°	1020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1020.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	375	
5°	373	35
15°	357	101
25°	328	151
35°	287	180
45°	238	184
55°	183	164
65°	124	123
75°	64	68
85°	11	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	375.3
2.5°	374.2
5°	373.1
7.5°	369.8
10°	367.5
12.5°	363.1
15°	357.5
17.5°	350.8
20°	344.1
22.5°	336.3
25°	328.4
27.5°	318.4
30°	308.3
32.5°	298.3
35°	287.1
37.5°	275.9
40°	263.6
42.5°	251.4
45°	238.0
47.5°	225.7
50°	211.1
52.5°	197.7
55°	183.2
57.5°	168.6
60°	154.2
62.5°	139.7
65°	124.0
67.5°	109.4
70°	93.9
72.5°	79.3
75°	63.6
77.5°	49.2
80°	35.8
82.5°	22.4
85°	11.1
87.5°	3.3
90°	0.0

(END OF REPORT)