

Scaled data based on original data using
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: P328473

Luminaire Tested: **L815MED20WF940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-13)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED20WF940MB
Description: Medium, 2000lm, 60D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

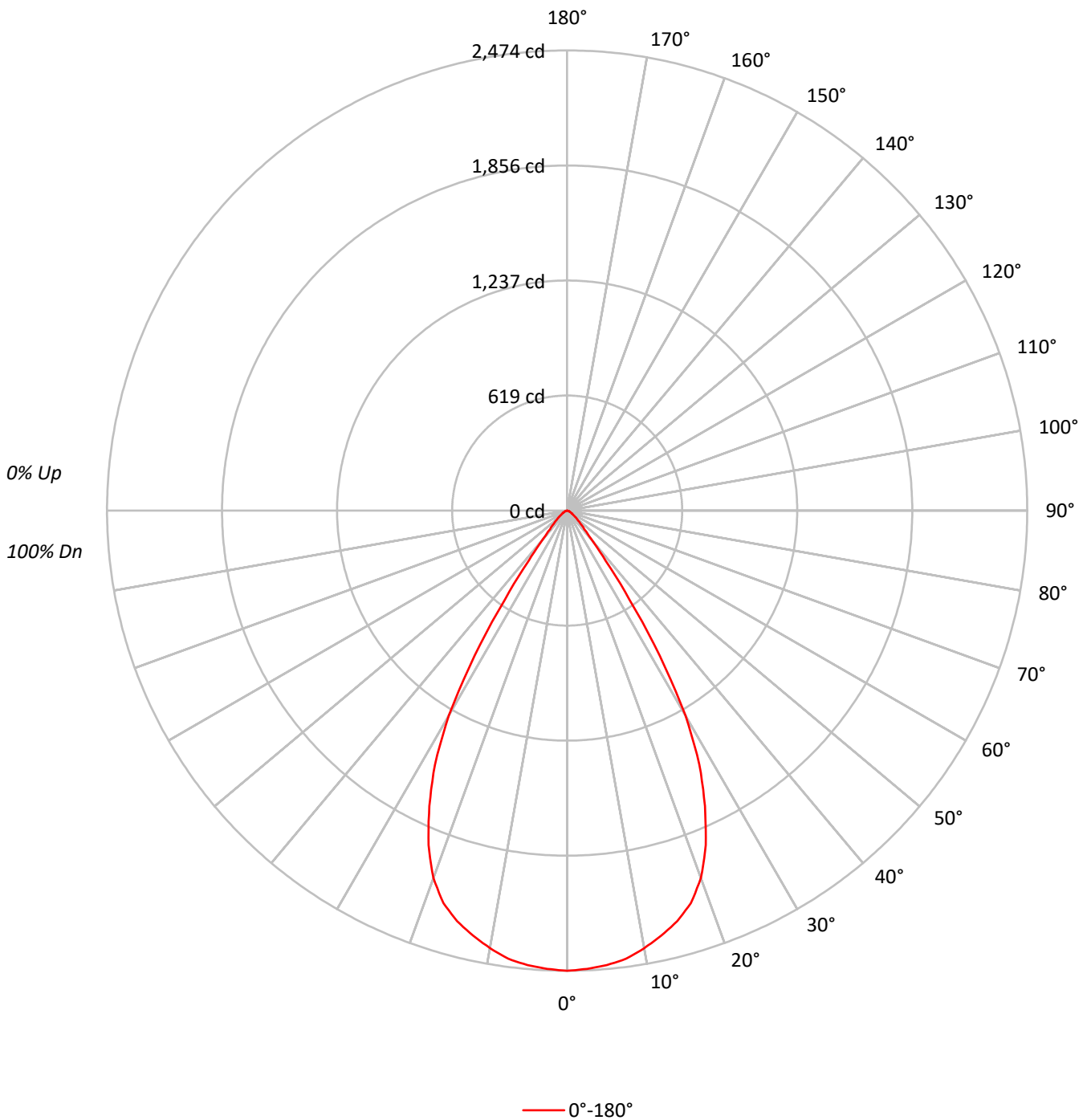
Lumens per Lamp: N/A
Luminaire Lumens: 2206.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.88
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 24.7
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		102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79		85	81	78		83	80	77	76
5	93	84	79	74	91	84	78	74	82	77	73		80	76	73		79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	65	73	68	64		72	67	64		71	67	63	62
8	80	71	65	61	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57		64	60	56		64	59	56	55
10	73	63	57	54	72	63	57	54	62	57	53		61	57	53		60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	305169
5°	303747
10°	299181
15°	291800
20°	275951
25°	238496
30°	181025
35°	88088
40°	32944
45°	18525
50°	13029
55°	8602
60°	6439
65°	5341
70°	4075
75°	2097
80°	639
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.2	10.5
10°-20°	639.8	29.0
20°-30°	790.3	35.8
30°-40°	392.9	17.8
40°-50°	89.3	4.0
50°-60°	38.1	1.7
60°-70°	18.2	0.8
70°-80°	5.0	0.2
80°-90°	0.1	0.0
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°	1662.4	75.4
0°-40°	2055.3	93.2
0°-60°	2182.7	98.9
0°-90°	2206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2206.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2474	
5°	2453	232
15°	2285	640
25°	1752	790
35°	585	393
45°	106	89
55°	40	38
65°	18	18
75°	4	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2474.1
2.5°	2466.2
5°	2453.2
7.5°	2430.5
10°	2388.7
12.5°	2340.9
15°	2285.1
17.5°	2212.9
20°	2102.3
22.5°	1947.4
25°	1752.4
27.5°	1540.0
30°	1271.0
32.5°	926.2
35°	585.0
37.5°	339.5
40°	204.6
42.5°	140.2
45°	106.2
47.5°	85.3
50°	67.9
52.5°	52.2
55°	40.0
57.5°	32.2
60°	26.1
62.5°	21.8
65°	18.3
67.5°	14.8
70°	11.3
72.5°	7.0
75°	4.4
77.5°	1.7
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)