

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: P328482

Luminaire Tested: **L815MED30NF927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED30NF927MB
Description: Medium, 3000lm, 25D, 2700K, black finish
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

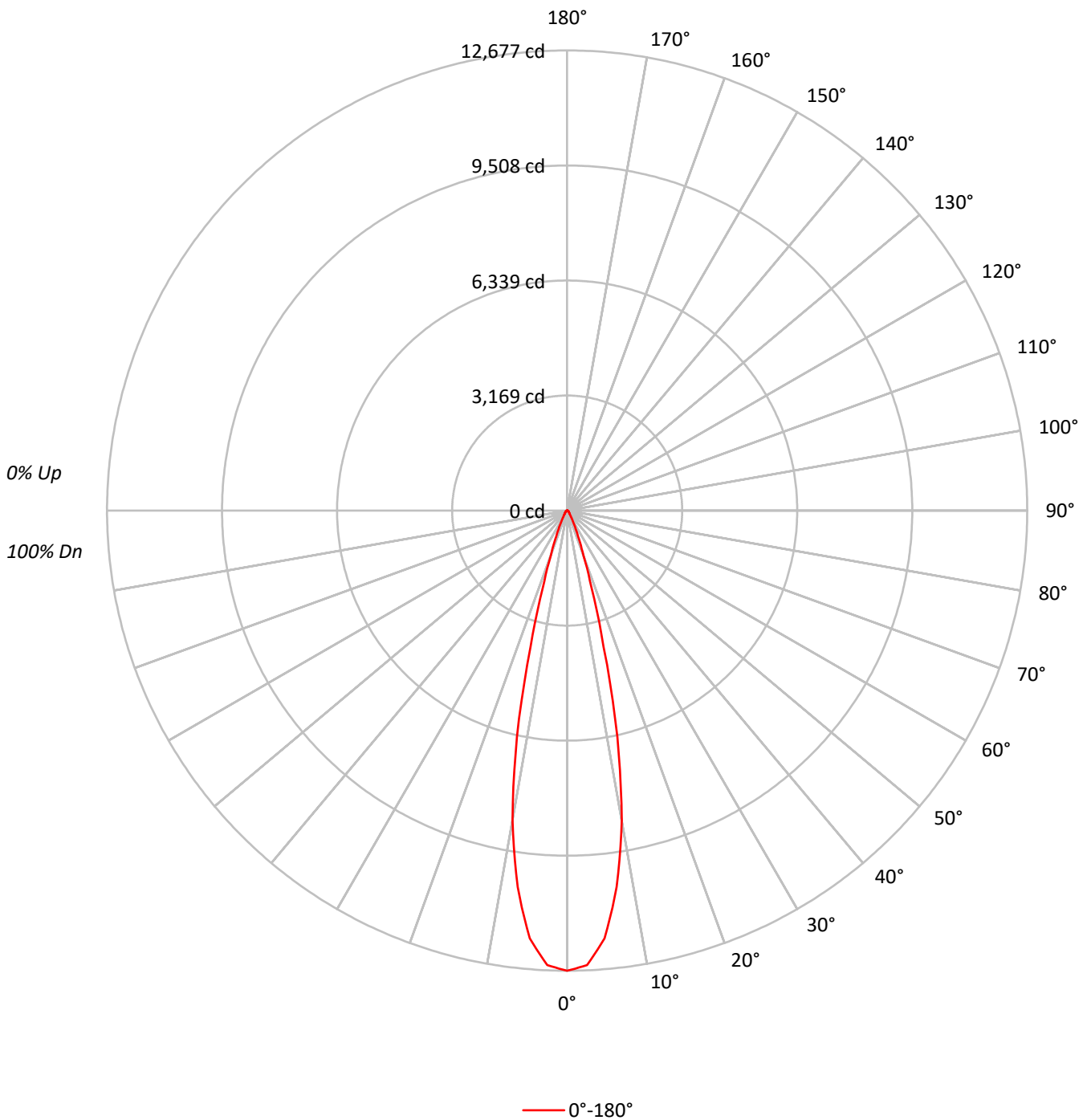
Lumens per Lamp: N/A
Luminaire Lumens: 2655.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.39
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 37.7
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							
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	111	106	106	106	106	102	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	104	103	102	101	101	100	99	98	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	98	100	98	96	96	97	96	94	94	93	93	93	93
3	107	103	99	96	106	101	98	95	99	96	94	94	96	94	92	92	94	92	91	91	90	90	90	90
4	104	98	94	91	102	97	94	91	95	92	90	90	94	91	89	89	92	90	88	88	87	87	87	87
5	101	95	91	88	99	94	90	87	92	89	86	86	91	88	86	86	89	87	85	85	84	84	84	84
6	98	92	87	84	97	91	87	84	90	86	84	84	88	85	83	83	87	85	83	83	81	81	81	81
7	95	89	85	82	94	88	84	81	87	84	81	81	86	83	81	81	85	82	80	80	79	79	79	79
8	93	86	82	79	92	86	82	79	85	81	79	79	84	81	78	78	83	80	78	78	77	77	77	77
9	90	84	80	77	90	83	79	77	83	79	77	77	82	79	76	76	81	78	76	76	75	75	75	75
10	88	82	78	75	87	81	77	75	81	77	75	75	80	77	74	74	79	76	74	74	73	73	73	73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1563616
5°	1465099
10°	1085541
15°	495923
20°	173384
25°	74704
30°	35892
35°	21231
40°	15297
45°	13257
50°	10170
55°	10967
60°	9128
65°	7588
70°	5049
75°	477
80°	3552
85°	1415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1025.2	38.6
10°-20°	1126.8	42.4
20°-30°	279.3	10.5
30°-40°	93.6	3.5
40°-50°	58.6	2.2
50°-60°	40.3	1.5
60°-70°	27.5	1.0
70°-80°	2.8	0.1
80°-90°	1.0	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°	2431.3	91.6
0°-40°	2524.9	95.1
0°-60°	2623.8	98.8
0°-90°	2655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2655.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12677	
5°	11833	###
15°	3884	1127
25°	549	279
35°	141	94
45°	76	59
55°	51	40
65°	26	28
75°	1	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12676.7
2.5°	12533.7
5°	11832.8
7.5°	10456.9
10°	8667.1
12.5°	6384.3
15°	3883.6
17.5°	2215.8
20°	1320.9
22.5°	834.9
25°	548.9
27.5°	363.0
30°	252.0
32.5°	186.0
35°	141.0
37.5°	108.0
40°	95.0
42.5°	79.0
45°	76.0
47.5°	75.0
50°	53.0
52.5°	56.0
55°	51.0
57.5°	29.0
60°	37.0
62.5°	35.0
65°	26.0
67.5°	25.0
70°	14.0
72.5°	0.0
75°	1.0
77.5°	0.0
80°	5.0
82.5°	0.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)