

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: P184063

Luminaire Tested: **L80825FL9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27071)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825FL9030MB
Description: HALO TRACK L LED 08, 2500 LM, FLOOD, MATTE BLACK

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2202.1 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.55
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

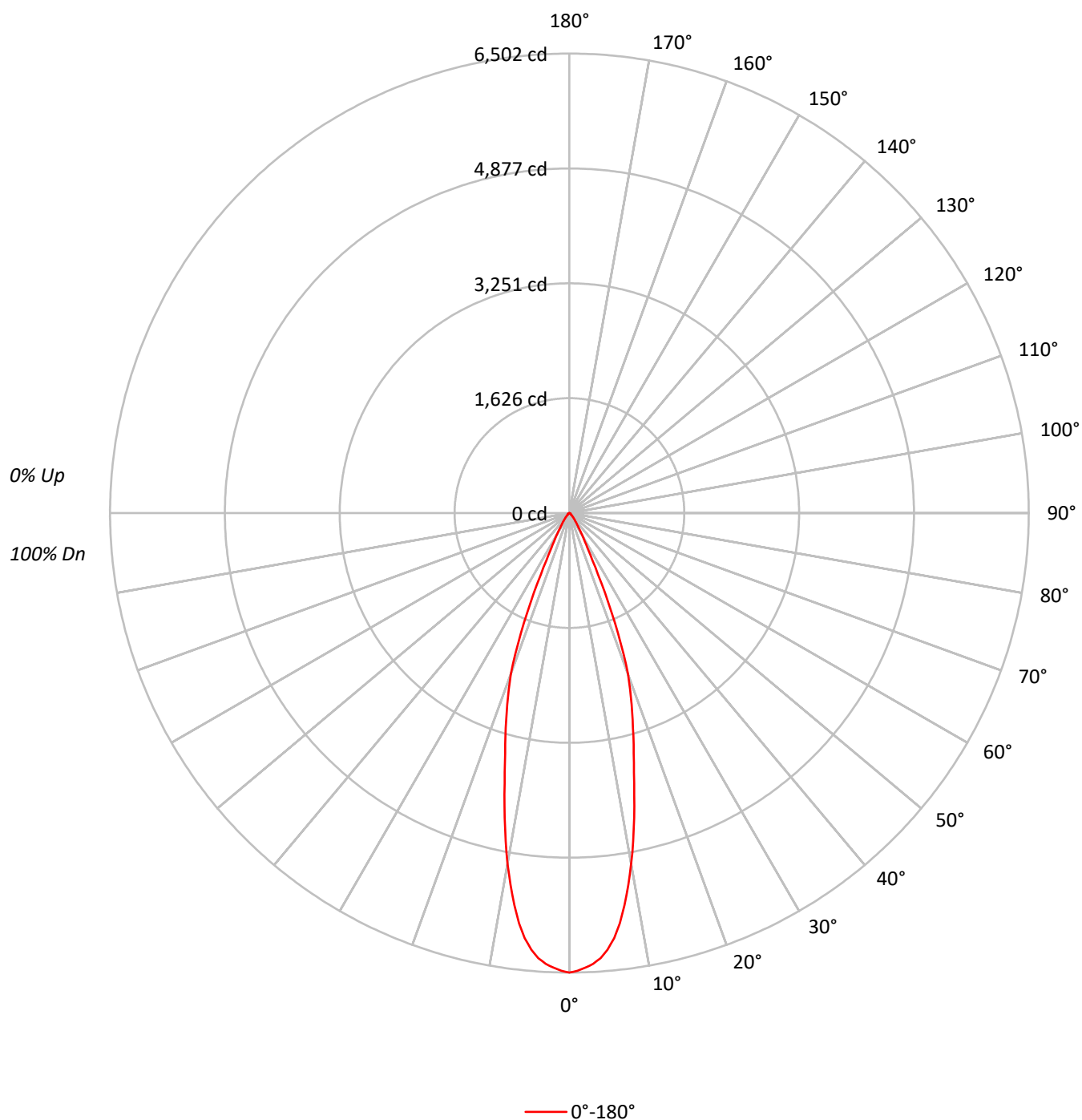
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	98
2	110	106	103	100		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		105	100	96	93		97	94	92		95	93	91		93	91	89
4	103	97	92	89		101	96	92	88		93	90	87		92	89	86		90	87	85
5	99	92	88	84		97	92	87	84		90	86	83		88	85	83		87	84	82
6	96	89	84	81		94	88	84	80		87	83	80		85	82	79		84	81	79
7	92	85	80	77		91	85	80	77		83	79	77		82	79	76		81	78	76
8	89	82	77	74		88	81	77	74		80	77	74		80	76	73		79	76	73
9	86	79	74	71		86	79	74	71		78	74	71		77	73	71		76	73	71
10	84	76	72	69		83	76	72	69		75	71	69		75	71	68		74	71	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	802018
5°	767912
10°	631127
15°	449135
20°	318401
25°	130694
30°	49707
35°	25131
40°	14137
45°	8129
50°	4778
55°	3032
60°	1875
65°	1255
70°	793
75°	524
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.4	25.2
10°-20°	983.0	44.6
20°-30°	494.5	22.5
30°-40°	113.3	5.1
40°-50°	38.4	1.7
50°-60°	13.0	0.6
60°-70°	4.4	0.2
70°-80°	1.2	0.1
80°-90°	0.0	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°	2031.9	92.3
0°-40°	2145.2	97.4
0°-60°	2196.6	99.7
0°-90°	2202.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2202.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6502	
5°	6202	554
15°	3517	983
25°	960	495
35°	167	113
45°	47	38
55°	14	13
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6502.2
1°	6477.3
2°	6438.3
3°	6387.3
4°	6312.5
5°	6202.0
6°	6047.0
7°	5847.6
8°	5603.7
9°	5329.5
10°	5039.0
11°	4729.0
12°	4407.1
13°	4083.0
14°	3781.7
15°	3517.2
16°	3282.0
17°	3058.7
18°	2848.5
19°	2639.3
20°	2425.7
21°	2142.8
22°	1837.2
23°	1530.4
24°	1232.4
25°	960.3
26°	744.6
27°	594.0
28°	504.0
29°	422.7
30°	349.0
32.5°	235.2
35°	166.9
37.5°	120.3
40°	87.8
42.5°	63.9
45°	46.6
47.5°	34.7
50°	24.9
52.5°	18.4
55°	14.1
57.5°	9.8
60°	7.6
62.5°	5.4
65°	4.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.3
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)