

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: P184045

Luminaire Tested: **L80825NF9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27069)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825NF9030MB
Description: HALO TRACK L LED 08, 2500 LM, NARROW FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2203.2 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.44
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

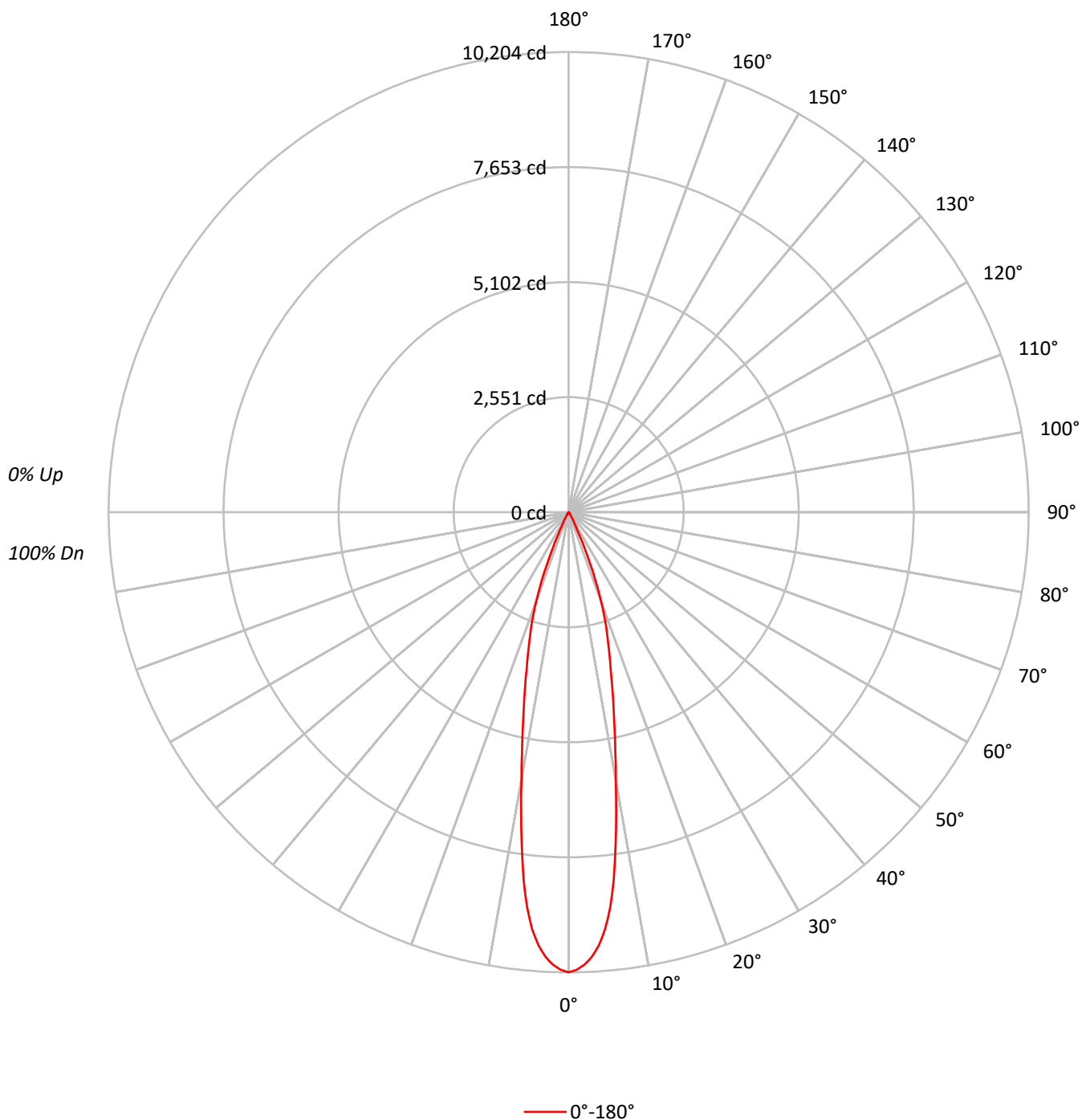
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97			
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	98	96	95	94			
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91			
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88			
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85			
6	99	93	88	86	97	92	88	85	91	87	85	89	86	84	88	86	84	83			
7	96	90	86	83	95	89	85	82	88	85	82	87	84	82	86	83	81	80			
8	93	87	83	80	92	86	83	80	86	82	80	85	82	79	84	81	79	78			
9	91	84	80	78	90	84	80	78	83	80	77	83	79	77	82	79	77	76			
10	89	82	78	76	88	82	78	76	81	78	75	81	77	75	80	77	75	74			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1258557
5°	1149453
10°	755436
15°	460794
20°	276936
25°	83468
30°	20524
35°	8161
40°	4718
45°	3018
50°	2284
55°	1634
60°	1332
65°	963
70°	793
75°	524
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.8	35.3
10°-20°	1012.1	45.9
20°-30°	348.8	15.8
30°-40°	39.9	1.8
40°-50°	14.1	0.6
50°-60°	7.2	0.3
60°-70°	3.4	0.2
70°-80°	0.9	0.0
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°	2137.8	97.0
0°-40°	2177.7	98.8
0°-60°	2199.0	99.8
0°-90°	2203.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2203.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10204	
5°	9284	777
15°	3608	1012
25°	613	349
35°	54	40
45°	17	14
55°	8	7
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10203.5
1°	10149.4
2°	10039.9
3°	9870.9
4°	9627.0
5°	9283.5
6°	8814.3
7°	8209.6
8°	7481.4
9°	6738.1
10°	6031.5
11°	5417.1
12°	4879.6
13°	4418.0
14°	3991.0
15°	3608.5
16°	3272.6
17°	2969.2
18°	2692.8
19°	2410.0
20°	2109.8
21°	1785.8
22°	1446.7
23°	1134.6
24°	849.6
25°	613.3
26°	442.1
27°	318.6
28°	246.0
29°	189.6
30°	144.1
32.5°	82.4
35°	54.2
37.5°	39.0
40°	29.3
42.5°	21.7
45°	17.3
47.5°	14.1
50°	11.9
52.5°	9.8
55°	7.6
57.5°	6.5
60°	5.4
62.5°	4.3
65°	3.3



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)