

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: P184089

Luminaire Tested: **L80815SP9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27054)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80815SP9027MB
Description: HALO TRACK L LED 08, 1500 LM, SPOT, MATTE BLACK

Light Source: EATON LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1261.7 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

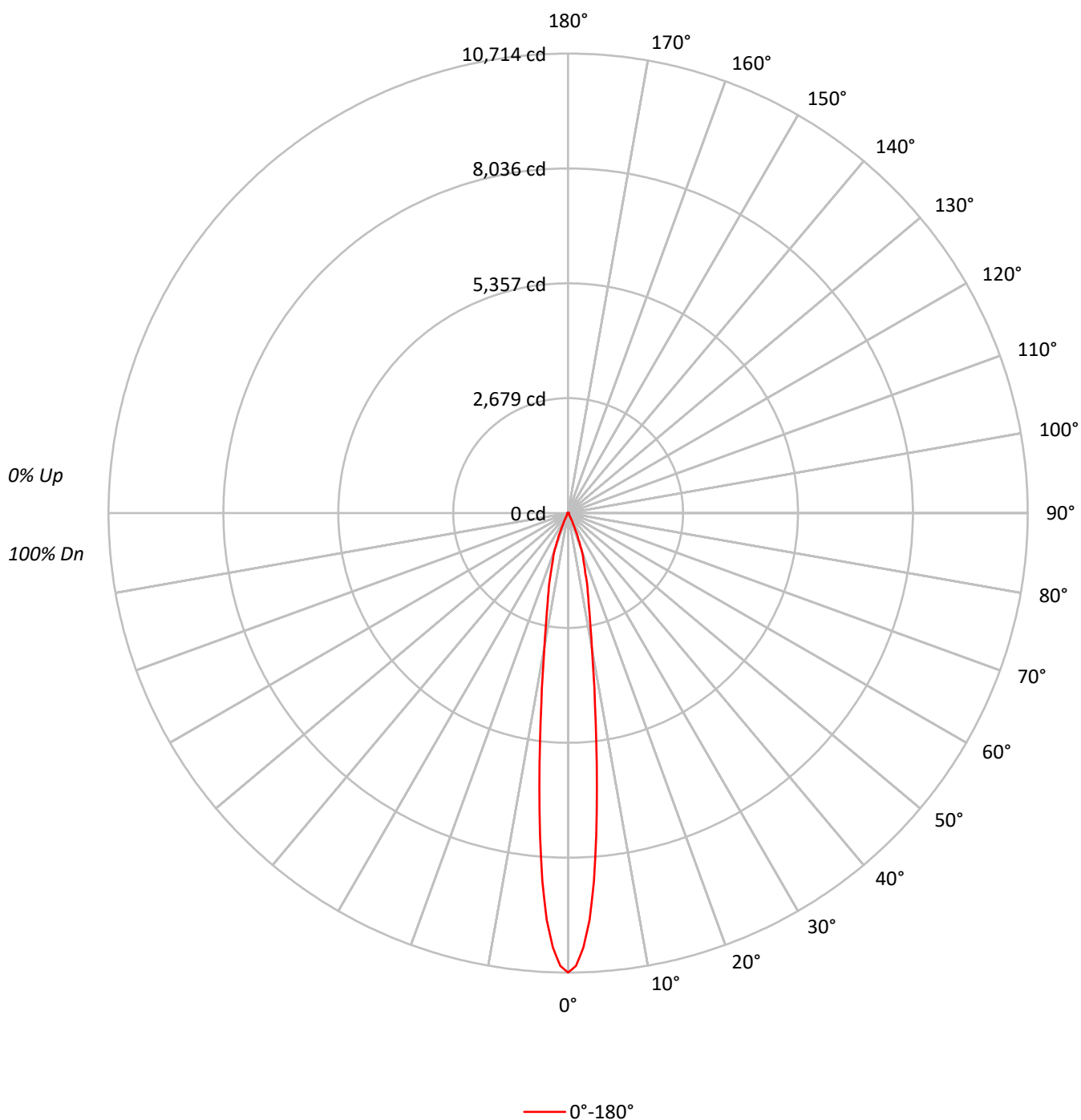
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96								
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93								
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90								
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87								
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	91	88	86	85								
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83								
7	97	90	86	84	95	90	86	83	89	85	83	88	85	83	87	84	82	81								
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	79								
9	92	86	82	79	91	85	82	79	85	81	79	84	81	79	83	81	79	78								
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2349285
5°	1660947
10°	708426
15°	384247
20°	208548
25°	63875
30°	15673
35°	10306
40°	5897
45°	3411
50°	6106
55°	5238
60°	5438
65°	4255
70°	4424
75°	6947
80°	15659
85°	24153



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.8	44.7
10°-20°	473.6	37.5
20°-30°	147.3	11.7
30°-40°	23.7	1.9
40°-50°	13.1	1.0
50°-60°	12.0	1.0
60°-70°	8.9	0.7
70°-80°	9.4	0.7
80°-90°	9.9	0.8
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°	1184.7	93.9
0°-40°	1208.4	95.8
0°-60°	1233.5	97.8
0°-90°	1261.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1261.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10714	
5°	7546	564
15°	1693	474
25°	264	147
35°	38	24
45°	11	13
55°	14	12
65°	8	9
75°	8	9
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10713.6
1°	10561.0
2°	10134.8
3°	9499.5
4°	8604.4
5°	7545.7
6°	6412.8
7°	5359.6
8°	4509.8
9°	3756.4
10°	3181.6
11°	2743.0
12°	2403.4
13°	2125.7
14°	1902.9
15°	1692.6
16°	1453.3
17°	1295.2
18°	1159.1
19°	1053.2
20°	893.7
21°	738.3
22°	595.4
23°	468.9
24°	361.6
25°	264.0
26°	192.5
27°	138.9
28°	122.4
29°	77.0
30°	61.9
32.5°	34.4
35°	38.5
37.5°	38.5
40°	20.6
42.5°	30.2
45°	11.0
47.5°	8.2
50°	17.9
52.5°	12.4
55°	13.7
57.5°	12.4
60°	12.4
62.5°	6.9
65°	8.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.0
70°	6.9
72.5°	9.6
75°	8.2
77.5°	8.2
80°	12.4
82.5°	6.9
85°	9.6
87.5°	13.7
90°	0.0

(END OF REPORT)