

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: P184107

Luminaire Tested: **L80815FL9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27060)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80815FL9027MB
Description: HALO TRACK L LED 08, 1500 LM, FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1219.0 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.62
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

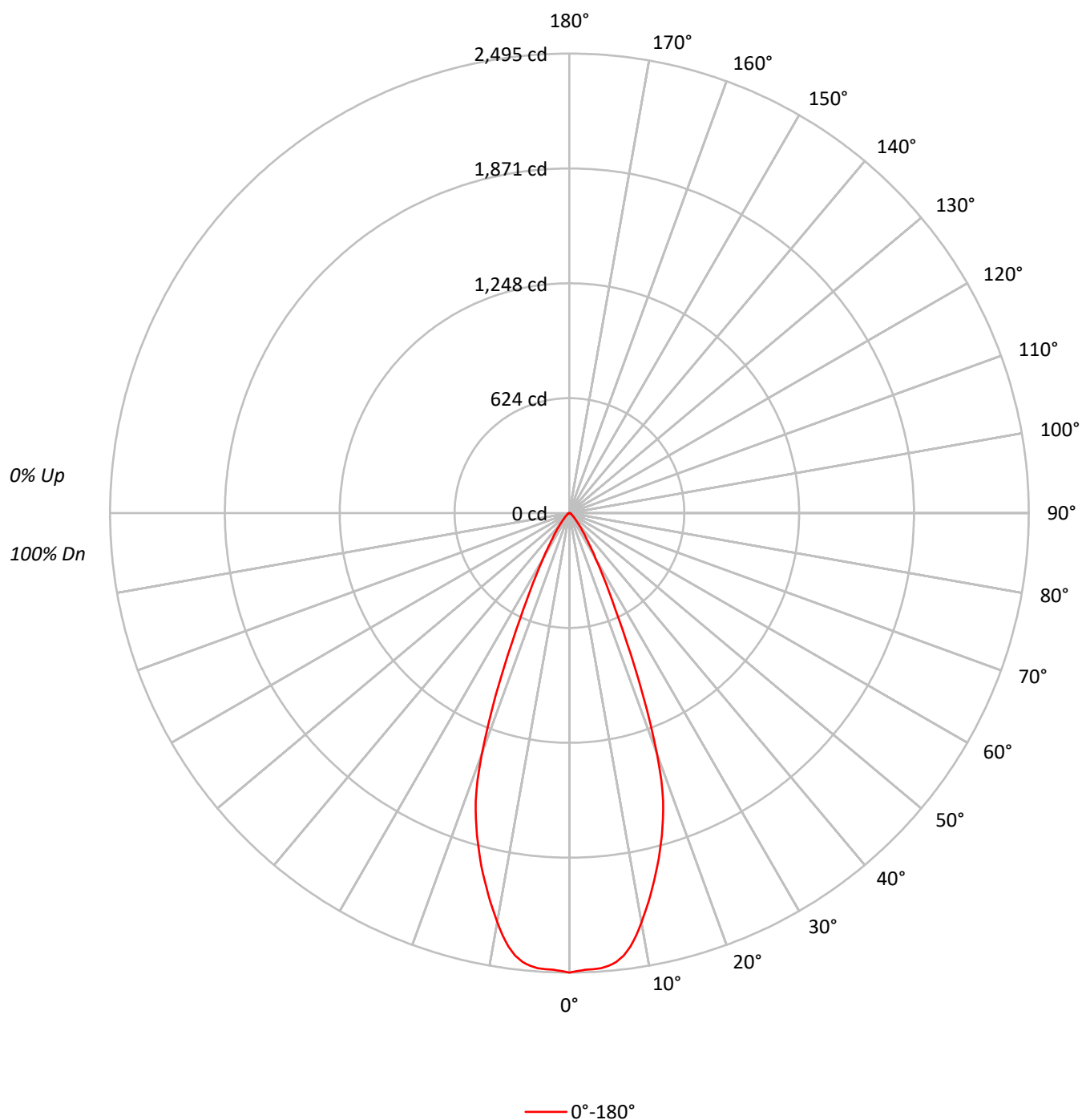
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0			
RCR																										
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102		100			
1	114	112	109	107		112	110	108	106		106	104	102		102	101	99		98	97	97		95			
2	109	105	102	99		107	103	100	97		100	98	95		97	95	93		95	93	91		90			
3	105	99	95	92		103	98	94	91		95	92	89		93	90	88		91	89	87		85			
4	101	94	89	86		99	93	89	85		91	87	84		89	86	83		87	85	82		81			
5	97	90	85	81		95	89	84	80		87	83	80		85	82	79		84	81	78		77			
6	93	85	80	77		92	85	80	76		83	79	76		82	78	75		81	77	75		74			
7	89	81	76	73		88	81	76	73		80	75	72		79	75	72		78	74	72		70			
8	86	78	73	69		85	77	73	69		76	72	69		75	72	69		75	71	68		67			
9	83	75	70	66		82	74	70	66		73	69	66		73	69	66		72	68	66		65			
10	80	72	67	64		79	71	67	64		71	66	63		70	66	63		69	66	63		62			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	547193
5°	543054
10°	502128
15°	431058
20°	324968
25°	152573
30°	71960
35°	37102
40°	20639
45°	11846
50°	7710
55°	5390
60°	4342
65°	4410
70°	4552
75°	3558
80°	3536
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.2	18.8
10°-20°	520.3	42.7
20°-30°	316.1	25.9
30°-40°	93.6	7.7
40°-50°	31.9	2.6
50°-60°	13.7	1.1
60°-70°	8.4	0.7
70°-80°	5.0	0.4
80°-90°	0.8	0.1
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°	1065.6	87.4
0°-40°	1159.2	95.1
0°-60°	1204.8	98.8
0°-90°	1219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1219.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2495	
5°	2467	229
15°	1899	520
25°	631	316
35°	139	94
45°	38	32
55°	14	14
65°	8	8
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2495.4
1°	2486.9
2°	2481.3
3°	2479.9
4°	2477.0
5°	2467.1
6°	2450.2
7°	2420.5
8°	2378.1
9°	2321.5
10°	2255.1
11°	2188.6
12°	2117.9
13°	2047.2
14°	1975.1
15°	1898.8
16°	1821.0
17°	1737.6
18°	1647.1
19°	1535.4
20°	1392.6
21°	1231.5
22°	1067.4
23°	911.9
24°	763.5
25°	630.6
26°	534.4
27°	462.3
28°	397.3
29°	337.9
30°	284.2
32.5°	196.5
35°	138.6
37.5°	99.0
40°	72.1
42.5°	52.3
45°	38.2
47.5°	29.7
50°	22.6
52.5°	18.4
55°	14.1
57.5°	12.7
60°	9.9
62.5°	9.9
65°	8.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.1
70°	7.1
72.5°	5.7
75°	4.2
77.5°	4.2
80°	2.8
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)