

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: P184104

Luminaire Tested: **L80815FL9027P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184104
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: L80815FL9027P
Description: HALO TRACK L LED 08, 1500 LM, FLOOD, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1312.0 lumens
Efficiency: N/A
Efficacy: 63.4 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

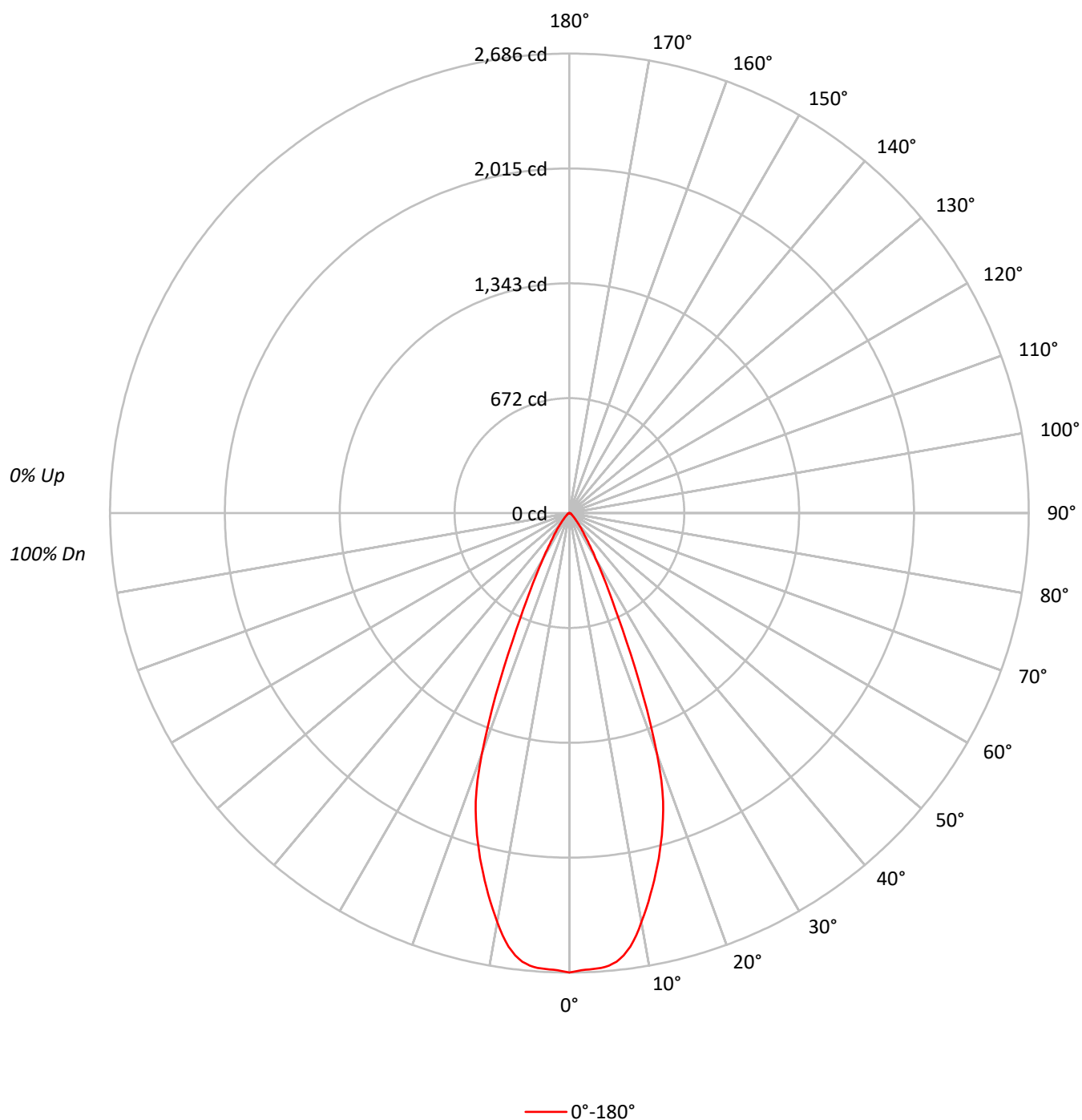
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	588944
5°	584502
10°	540426
15°	463930
20°	349774
25°	164211
30°	77455
35°	39913
40°	22213
45°	12746
50°	8290
55°	5811
60°	4693
65°	4722
70°	4873
75°	3897
80°	3788
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.6	18.8
10°-20°	560.0	42.7
20°-30°	340.2	25.9
30°-40°	100.8	7.7
40°-50°	34.4	2.6
50°-60°	14.7	1.1
60°-70°	9.0	0.7
70°-80°	5.4	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°	1146.9	87.4
0°-40°	1247.6	95.1
0°-60°	1296.7	98.8
0°-90°	1312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1312.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2686	
5°	2655	247
15°	2044	560
25°	679	340
35°	149	101
45°	41	34
55°	15	15
65°	9	9
75°	5	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2685.8
1°	2676.7
2°	2670.6
3°	2669.1
4°	2666.0
5°	2655.4
6°	2637.1
7°	2605.2
8°	2559.5
9°	2498.6
10°	2427.1
11°	2355.6
12°	2279.5
13°	2203.4
14°	2125.8
15°	2043.6
16°	1960.0
17°	1870.2
18°	1772.8
19°	1652.6
20°	1498.9
21°	1325.4
22°	1148.9
23°	981.5
24°	821.7
25°	678.7
26°	575.2
27°	497.6
28°	427.6
29°	363.7
30°	305.9
32.5°	211.5
35°	149.1
37.5°	106.5
40°	77.6
42.5°	56.3
45°	41.1
47.5°	32.0
50°	24.3
52.5°	19.8
55°	15.2
57.5°	13.7
60°	10.7
62.5°	10.7
65°	9.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.6
70°	7.6
72.5°	6.1
75°	4.6
77.5°	4.6
80°	3.0
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)