

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: P188922

Luminaire Tested: **L80815FL9035P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188922
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: L80815FL9035P
Description: HALO TRACK LL LED 08, 1500 LM, FLOOD, WHITE

Light Source: EATON LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1510.1 lumens
Efficiency: N/A
Efficacy: 73.0 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

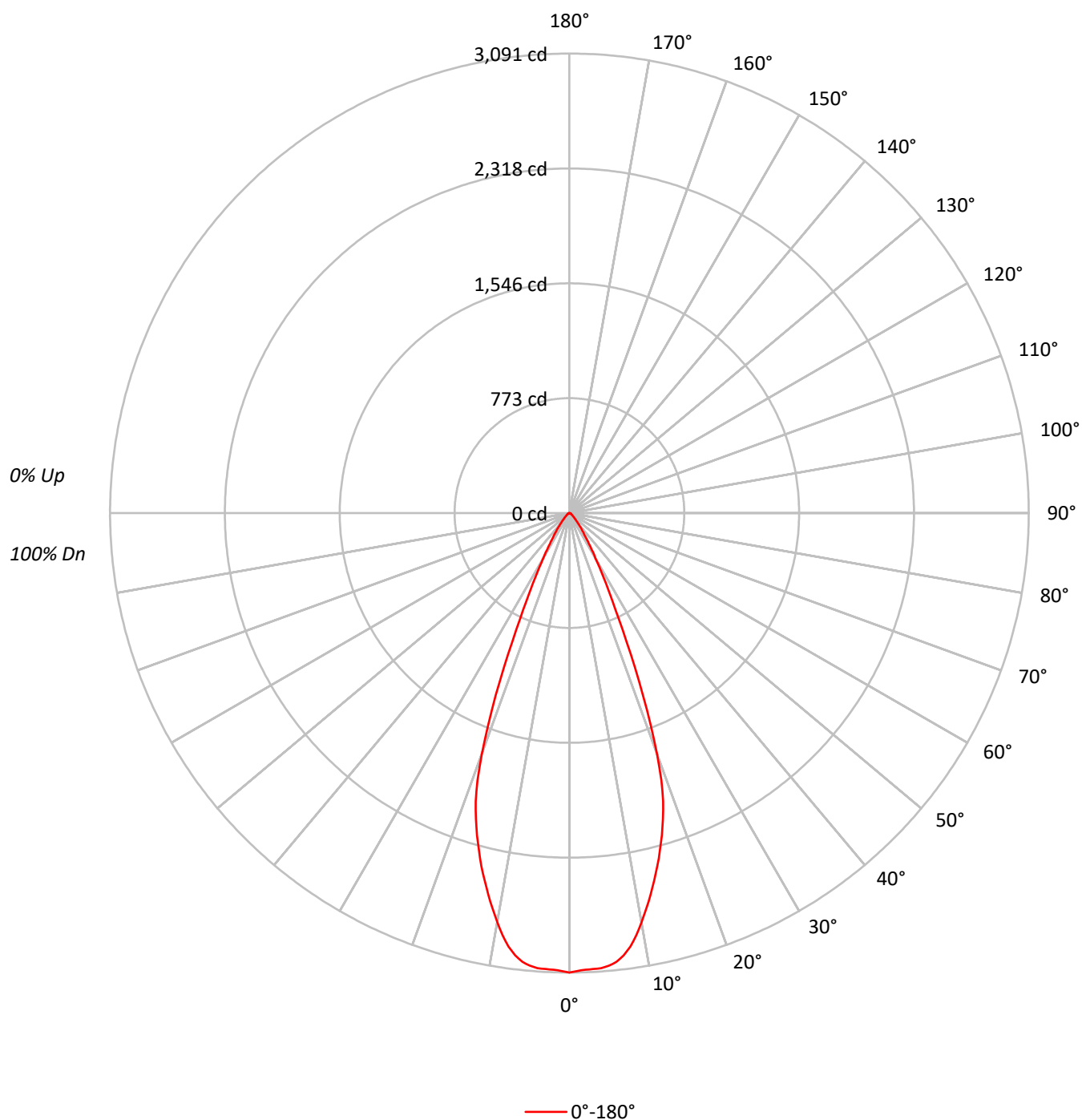
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	677840
5°	672726
10°	622010
15°	533964
20°	402558
25°	188987
30°	89128
35°	45936
40°	25562
45°	14668
50°	9552
55°	6690
60°	5394
65°	5448
70°	5642
75°	4490
80°	4420
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.9	18.8
10°-20°	644.5	42.7
20°-30°	391.6	25.9
30°-40°	116.0	7.7
40°-50°	39.6	2.6
50°-60°	17.0	1.1
60°-70°	10.4	0.7
70°-80°	6.3	0.4
80°-90°	1.0	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°	1320.0	87.4
0°-40°	1435.9	95.1
0°-60°	1492.5	98.8
0°-90°	1510.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1510.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3091	
5°	3056	284
15°	2352	644
25°	781	392
35°	172	116
45°	47	40
55°	18	17
65°	10	10
75°	5	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3091.2
1°	3080.7
2°	3073.7
3°	3071.9
4°	3068.4
5°	3056.2
6°	3035.2
7°	2998.4
8°	2945.8
9°	2875.8
10°	2793.5
11°	2711.2
12°	2623.6
13°	2536.0
14°	2446.7
15°	2352.1
16°	2255.8
17°	2152.5
18°	2040.4
19°	1902.0
20°	1725.1
21°	1525.5
22°	1322.3
23°	1129.6
24°	945.8
25°	781.1
26°	662.0
27°	572.7
28°	492.1
29°	418.6
30°	352.0
32.5°	243.4
35°	171.6
37.5°	122.6
40°	89.3
42.5°	64.8
45°	47.3
47.5°	36.8
50°	28.0
52.5°	22.8
55°	17.5
57.5°	15.8
60°	12.3
62.5°	12.3
65°	10.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.8
70°	8.8
72.5°	7.0
75°	5.3
77.5°	5.3
80°	3.5
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)