

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: P184047

Luminaire Tested: **L80825NF9027P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27004)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825NF9027P
Description: HALO TRACK LL LED 08, 2500 LM, NARROW FLOOD, 90 CRI, 2700K, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2104.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.45
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

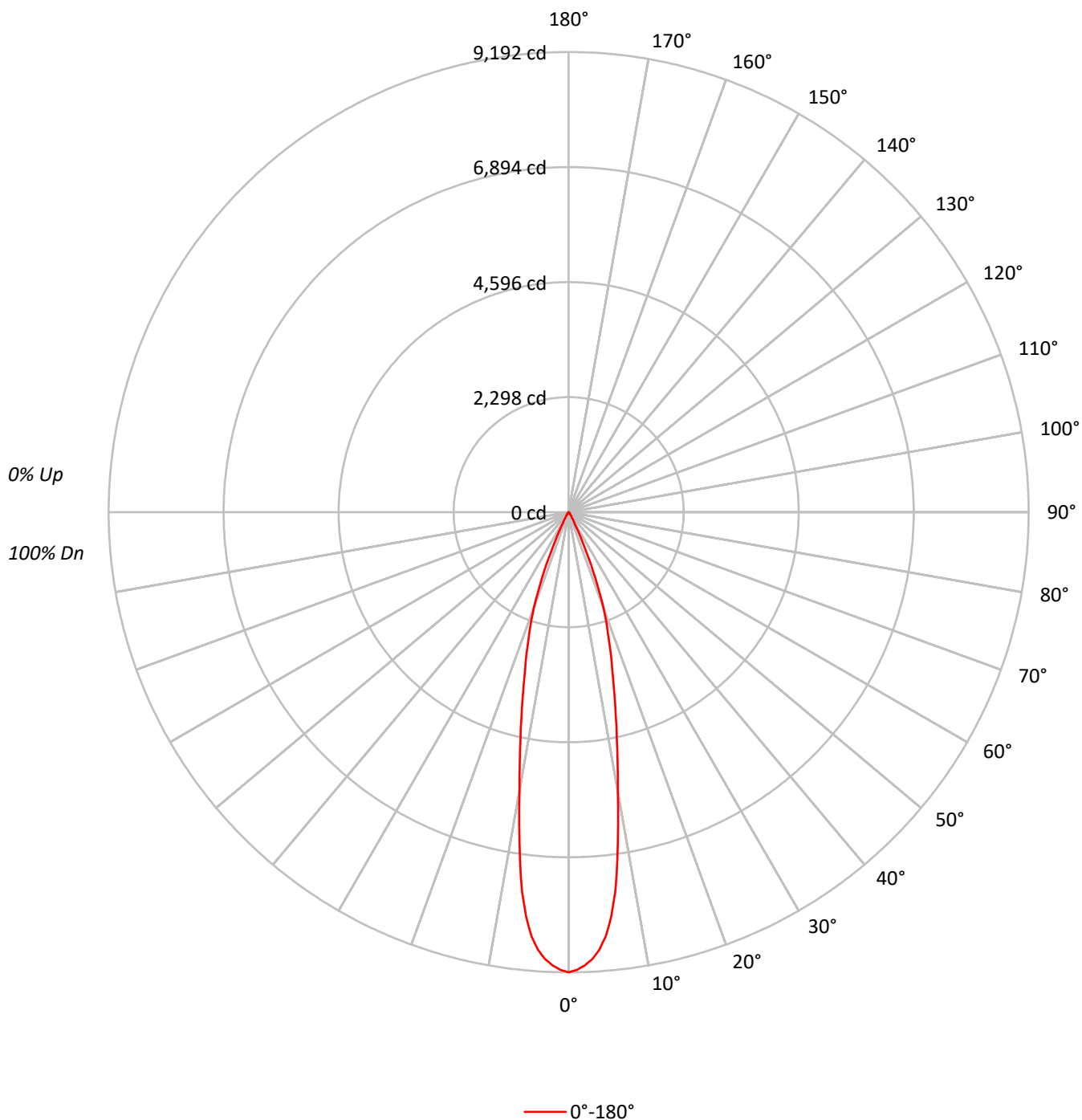
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
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	105	104	103	102	101	100	99	98	97							
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93							
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	91	90							
4	104	99	95	92	103	98	94	91	96	93	90	94	92	89	92	90	88	87							
5	101	95	91	88	100	94	91	88	93	90	87	91	89	86	90	88	86	85							
6	98	92	88	85	97	91	87	85	90	87	84	89	86	84	88	85	83	82							
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80							
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77							
9	90	84	80	77	90	83	80	77	83	79	77	82	79	76	81	78	76	75							
10	88	81	77	75	87	81	77	75	80	77	75	80	77	74	79	76	74	73							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1133768
5°	1053062
10°	709946
15°	435855
20°	266921
25°	84475
30°	21421
35°	8914
40°	5169
45°	3506
50°	2495
55°	1935
60°	1480
65°	1167
70°	1082
75°	953
80°	710
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.9	34.1
10°-20°	960.1	45.6
20°-30°	353.0	16.8
30°-40°	42.8	2.0
40°-50°	16.0	0.8
50°-60°	8.1	0.4
60°-70°	4.1	0.2
70°-80°	1.8	0.1
80°-90°	0.1	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°	2031.0	96.5
0°-40°	2073.8	98.6
0°-60°	2097.9	99.7
0°-90°	2104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2104.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9192	
5°	8505	718
15°	3413	960
25°	621	353
35°	59	43
45°	20	16
55°	9	8
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9191.8
1°	9144.7
2°	9062.5
3°	8942.2
4°	8762.7
5°	8505.0
6°	8130.0
7°	7636.6
8°	7000.9
9°	6311.0
10°	5668.3
11°	5114.8
12°	4635.5
13°	4188.3
14°	3779.2
15°	3413.2
17.5°	2667.2
20°	2033.5
22.5°	1274.4
25°	620.7
27.5°	288.8
30°	150.4
32.5°	87.2
35°	59.2
37.5°	43.1
40°	32.1
42.5°	25.1
45°	20.1
47.5°	16.0
50°	13.0
52.5°	11.0
55°	9.0
57.5°	7.0
60°	6.0
62.5°	5.0
65°	4.0
67.5°	3.0
70°	3.0
72.5°	2.0
75°	2.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)