

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: P188907

Luminaire Tested: **L80825NF9035P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188907
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: L80825NF9035P
Description: HALO TRACK L LED 08, 2500 LM, NARROW FLOOD, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2424.6 lumens
Efficiency: N/A
Efficacy: 69.5 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

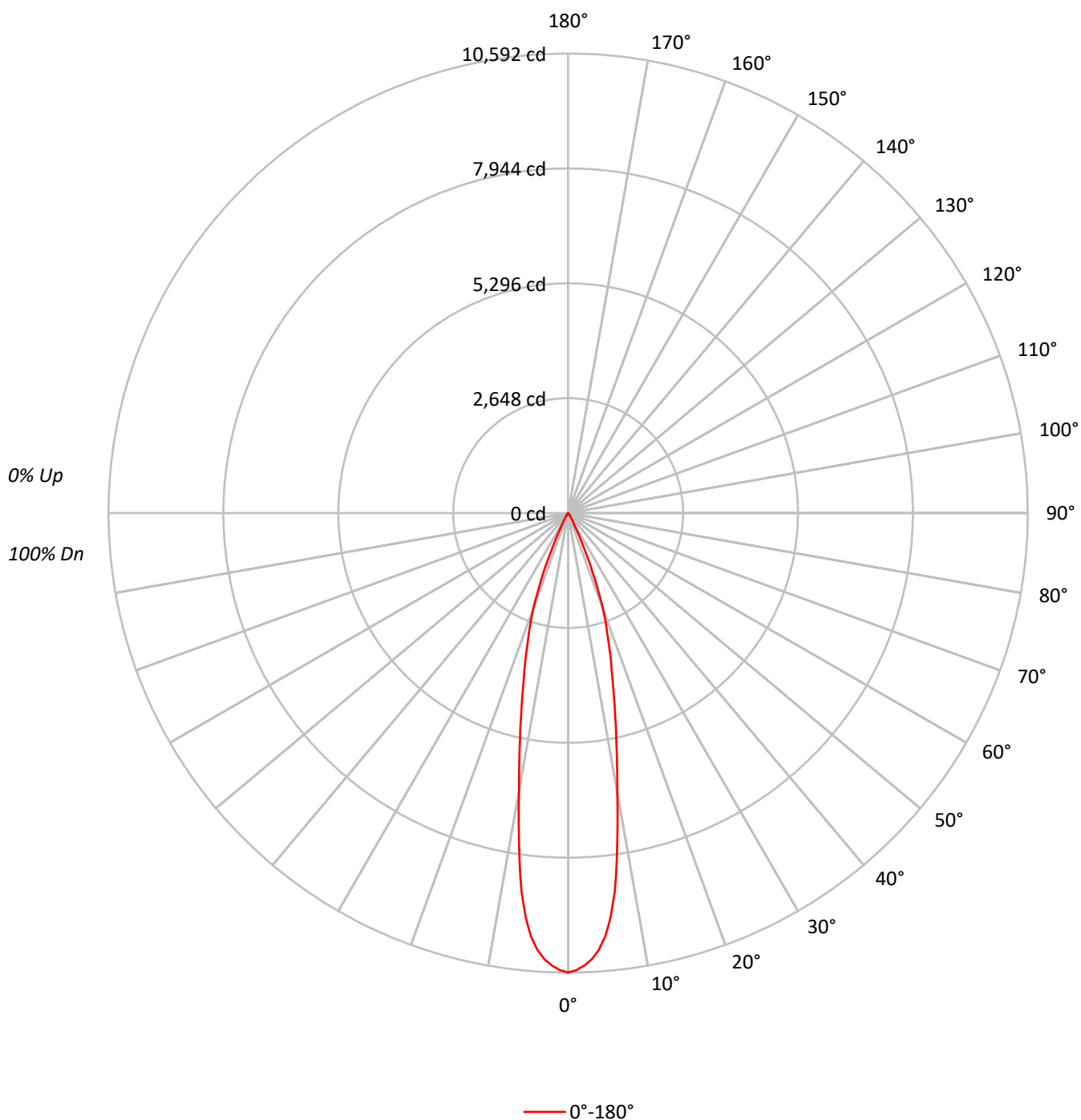
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1306539
5°	1213528
10°	818135
15°	502270
20°	307599
25°	97350
30°	24683
35°	10269
40°	5958
45°	4029
50°	2878
55°	2236
60°	1702
65°	1343
70°	1262
75°	1096
80°	852
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.2	34.1
10°-20°	1106.4	45.6
20°-30°	406.8	16.8
30°-40°	49.3	2.0
40°-50°	18.5	0.8
50°-60°	9.4	0.4
60°-70°	4.7	0.2
70°-80°	2.1	0.1
80°-90°	0.2	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°	2340.5	96.5
0°-40°	2389.8	98.6
0°-60°	2417.6	99.7
0°-90°	2424.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2424.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10592	
5°	9801	827
15°	3933	1106
25°	715	407
35°	68	49
45°	23	18
55°	10	9
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10592.5
1°	10538.2
2°	10443.4
3°	10304.8
4°	10097.9
5°	9801.0
6°	9368.8
7°	8800.3
8°	8067.7
9°	7272.7
10°	6532.1
11°	5894.2
12°	5341.9
13°	4826.5
14°	4355.1
15°	3933.3
17.5°	3073.6
20°	2343.4
22.5°	1468.6
25°	715.3
27.5°	332.8
30°	173.3
32.5°	100.5
35°	68.2
37.5°	49.7
40°	37.0
42.5°	28.9
45°	23.1
47.5°	18.5
50°	15.0
52.5°	12.7
55°	10.4
57.5°	8.1
60°	6.9
62.5°	5.8
65°	4.6
67.5°	3.5
70°	3.5
72.5°	2.3
75°	2.3
77.5°	1.2
80°	1.2
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)