

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: P188913

Luminaire Tested: **L80825FL9035P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27019)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825FL9035P
Description: HALO TRACK L LED 08, 2500 LM, FLOOD, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2446.5 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

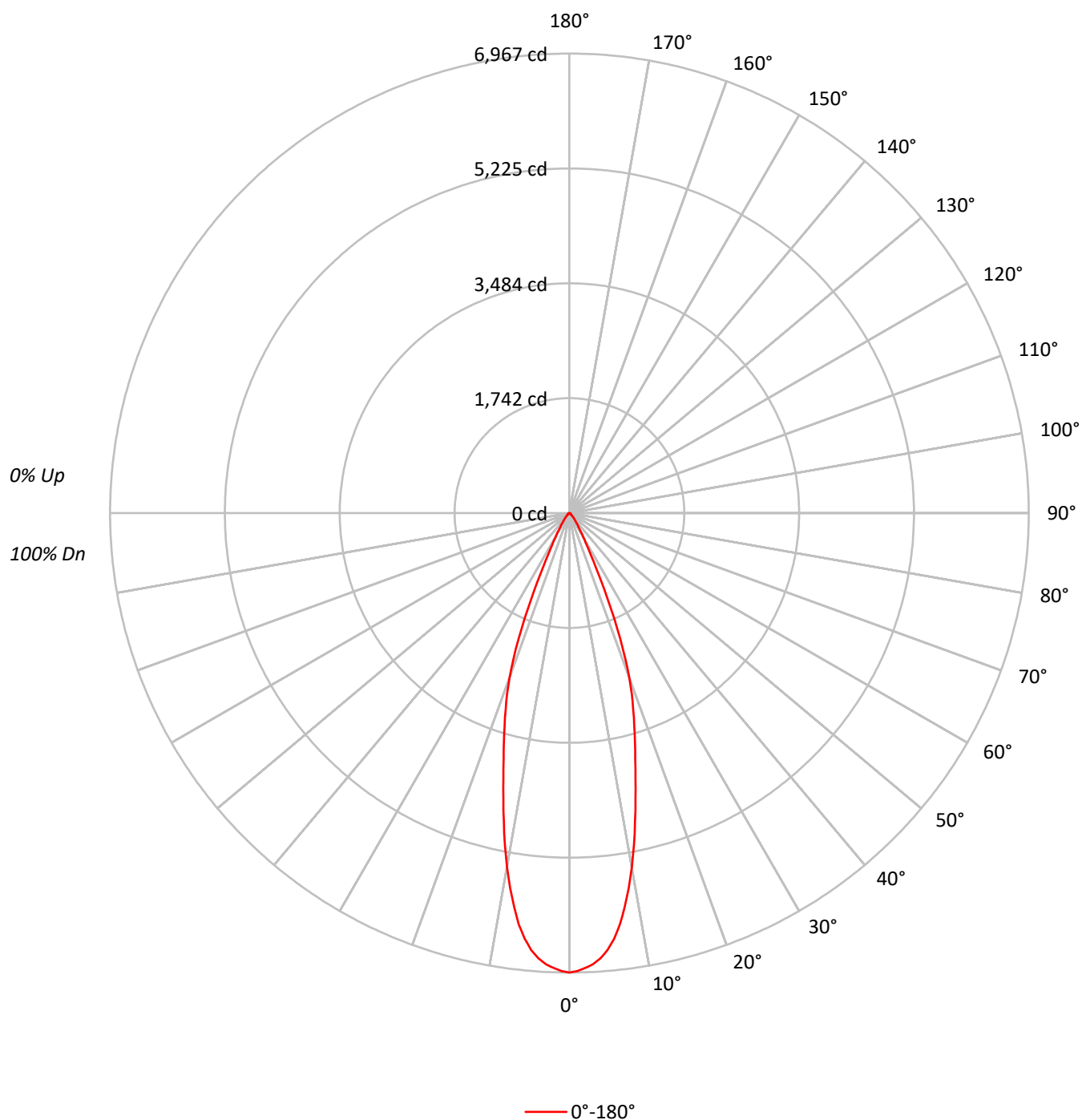
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96							
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91							
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87							
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84							
5	99	92	87	84	97	91	87	84	89	86	83	88	85	82	86	84	82	80							
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	84	81	78	77							
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	74							
8	89	81	77	73	88	81	76	73	80	76	73	79	75	73	78	75	72	71							
9	86	78	74	71	85	78	74	71	77	73	70	76	73	70	76	72	70	69							
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	67	66							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1527772
5°	1463875
10°	1213048
15°	876123
20°	620534
25°	274709
30°	106270
35°	52923
40°	30114
45°	17583
50°	10644
55°	6614
60°	4561
65°	3009
70°	2244
75°	1949
80°	1515
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.1	24.4
10°-20°	1075.9	44.0
20°-30°	568.0	23.2
30°-40°	134.9	5.5
40°-50°	46.5	1.9
50°-60°	16.7	0.7
60°-70°	6.3	0.3
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°	2239.9	91.6
0°-40°	2374.8	97.1
0°-60°	2438.0	99.6
0°-90°	2446.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2446.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6967	
5°	6650	596
15°	3859	1076
25°	1135	568
35°	198	135
45°	57	46
55°	17	17
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6967.2
1°	6942.9
2°	6902.4
3°	6848.1
4°	6767.1
5°	6650.4
6°	6490.8
7°	6287.3
8°	6029.5
9°	5750.9
10°	5447.9
11°	5127.7
12°	4787.8
13°	4457.1
14°	4143.8
15°	3859.3
16°	3605.0
17°	3364.5
18°	3133.3
19°	2910.1
20°	2659.2
21°	2376.0
22°	2060.3
23°	1734.3
24°	1422.1
25°	1135.4
26°	900.7
27°	726.1
28°	601.2
29°	505.3
30°	419.7
32.5°	278.6
35°	197.7
37.5°	143.4
40°	105.2
42.5°	77.5
45°	56.7
47.5°	41.6
50°	31.2
52.5°	23.1
55°	17.3
57.5°	13.9
60°	10.4
62.5°	8.1
65°	5.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.6
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
90°	0.0

(END OF REPORT)