

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: P184062

Luminaire Tested: **L80825FL9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27071)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825FL9027MB
Description: HALO TRACK L LED 08, 2500 LM, FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2039.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.55
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

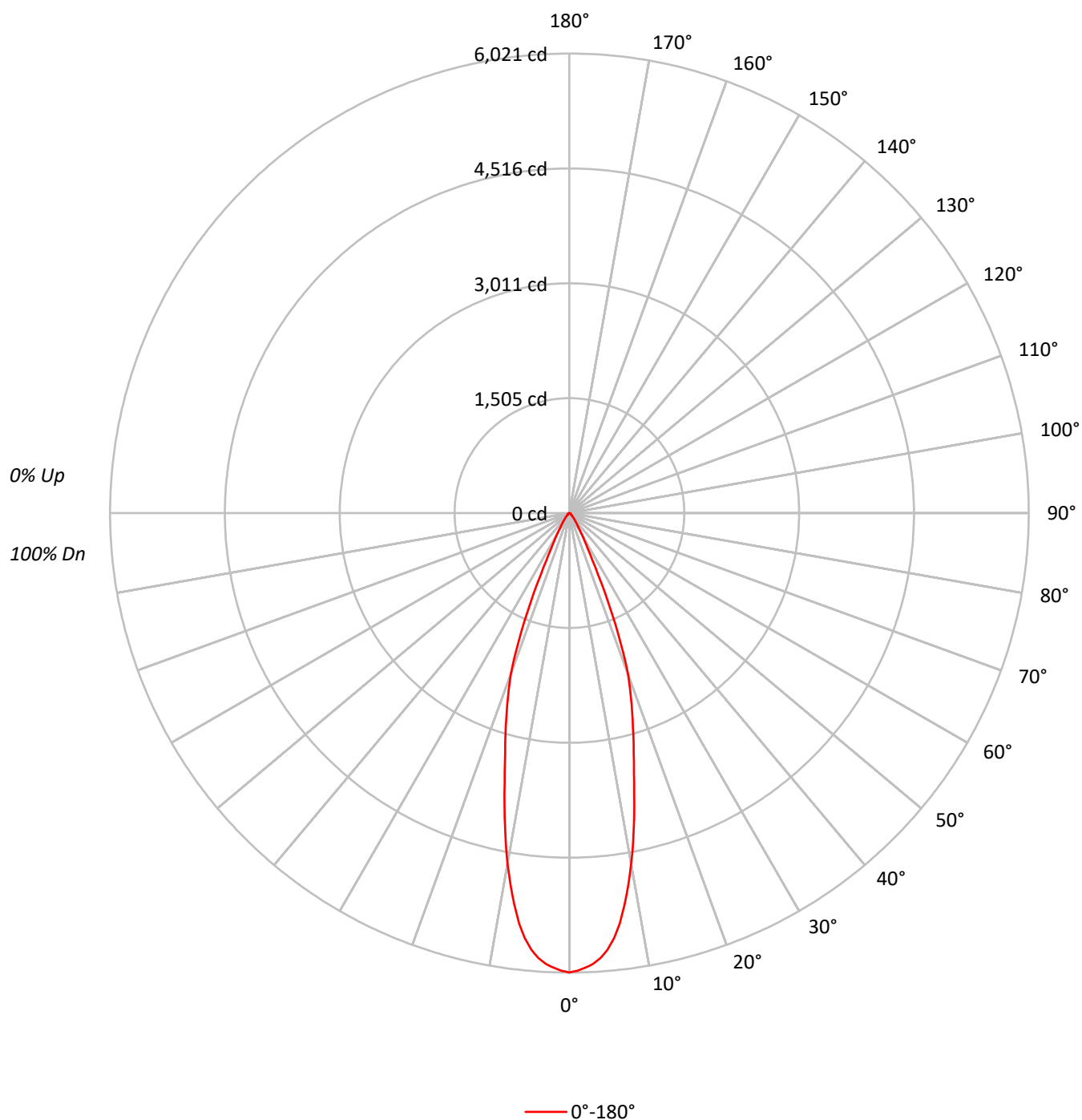
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96			
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88			
4	103	97	92	89	101	96	92	88	94	90	87	92	89	86	90	87	85	84			
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81			
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78			
7	92	85	80	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75			
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72			
9	86	79	74	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70			
10	84	76	72	69	83	76	72	69	75	71	69	75	71	68	74	71	68	67			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	742615
5°	711030
10°	584372
15°	415870
20°	294827
25°	121017
30°	46032
35°	23279
40°	13091
45°	7536
50°	4433
55°	2796
60°	1727
65°	1167
70°	721
75°	477
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.3	25.2
10°-20°	910.2	44.6
20°-30°	457.9	22.5
30°-40°	104.9	5.1
40°-50°	35.5	1.7
50°-60°	12.0	0.6
60°-70°	4.1	0.2
70°-80°	1.1	0.1
80°-90°	0.0	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°	1881.4	92.3
0°-40°	1986.3	97.4
0°-60°	2033.9	99.7
0°-90°	2039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2039.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6021	
5°	5743	513
15°	3257	910
25°	889	458
35°	155	105
45°	43	36
55°	13	12
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6020.6
1°	5997.5
2°	5961.4
3°	5914.2
4°	5845.0
5°	5742.6
6°	5599.1
7°	5414.4
8°	5188.6
9°	4934.7
10°	4665.7
11°	4378.7
12°	4080.6
13°	3780.6
14°	3501.6
15°	3256.7
16°	3038.9
17°	2832.2
18°	2637.5
19°	2443.8
20°	2246.1
21°	1984.1
22°	1701.1
23°	1417.1
24°	1141.1
25°	889.2
26°	689.5
27°	550.0
28°	466.7
29°	391.4
30°	323.2
32.5°	217.8
35°	154.6
37.5°	111.4
40°	81.3
42.5°	59.2
45°	43.2
47.5°	32.1
50°	23.1
52.5°	17.1
55°	13.0
57.5°	9.0
60°	7.0
62.5°	5.0
65°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.0
70°	2.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)