

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: LUMIERE

Report Number: P247024

Luminaire Tested: **230-8LED2725-12-CS-LVR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247024
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-42)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED2725-12-CS-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

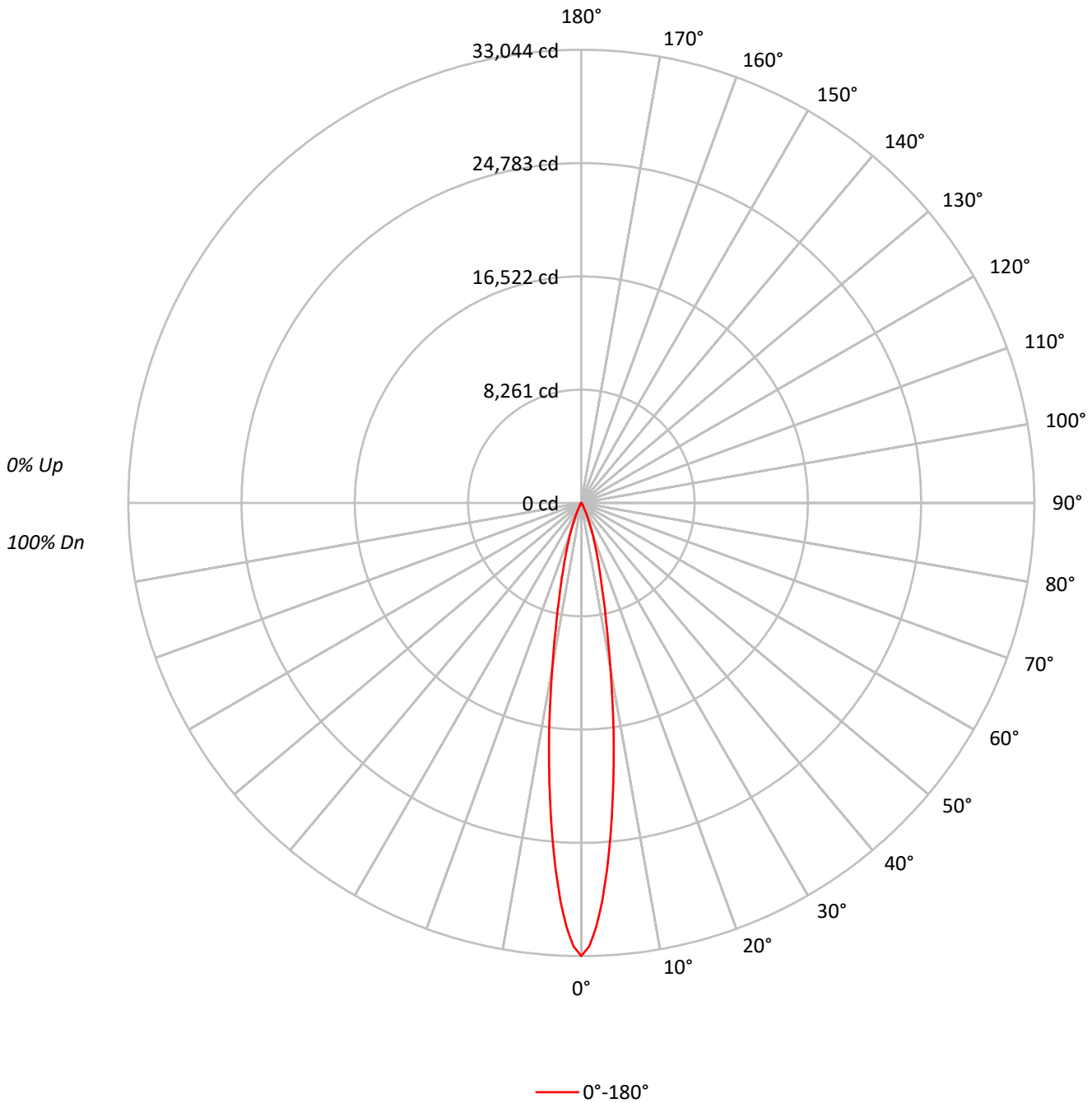
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 555.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93
4	106	101	98	95	105	100	97	95	98	96	94	97	94	92	95	93	91	90
5	104	98	95	92	102	97	94	92	96	93	91	94	92	90	93	91	89	88
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86
7	99	93	89	87	98	93	89	87	91	88	86	90	88	86	90	87	85	84
8	97	91	87	85	96	90	87	85	89	86	84	89	86	84	88	85	84	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	81	85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	16303481
5°	12070826
10°	6148509
15°	2678756
20°	1219151
25°	455867
30°	135020
35°	66675
40°	41220
45°	21700
50°	11974
55°	13419
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1925.8	48.1
10°-20°	1534.1	38.4
20°-30°	427.8	10.7
30°-40°	78.5	2.0
40°-50°	25.2	0.6
50°-60°	8.6	0.2
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	3887.7	97.2
0°-40°	3966.2	99.2
0°-60°	4000.0	100.0
0°-90°	4000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4000.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	33044	
5°	24372	###
15°	5244	1534
25°	837	428
35°	111	79
45°	31	25
55°	16	9
65°	0	0
75°	0	0
85°	0	0
90°	0	0



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CANDELA DISTRIBUTION (FULL):

	0°
0°	33044.5
1°	32349.0
2°	30926.7
3°	29063.2
4°	26820.8
5°	24372.5
6°	21829.0
7°	19318.4
8°	16852.7
9°	14468.4
10°	12272.7
11°	10267.4
12°	8592.5
13°	7218.6
14°	6113.0
15°	5244.4
16°	4502.1
17°	3853.3
18°	3270.2
19°	2765.0
20°	2322.0
22.5°	1422.3
25°	837.4
26°	631.5
27°	505.2
28°	378.9
29°	299.3
30°	237.0
32.5°	173.0
35°	110.7
37.5°	79.6
40°	64.0
42.5°	46.7
45°	31.1
47.5°	15.6
50°	15.6
52.5°	15.6
55°	15.6
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)