

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: P247019

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247019
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-30)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED2725-12-BK-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, HEX CELL LOUVER
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

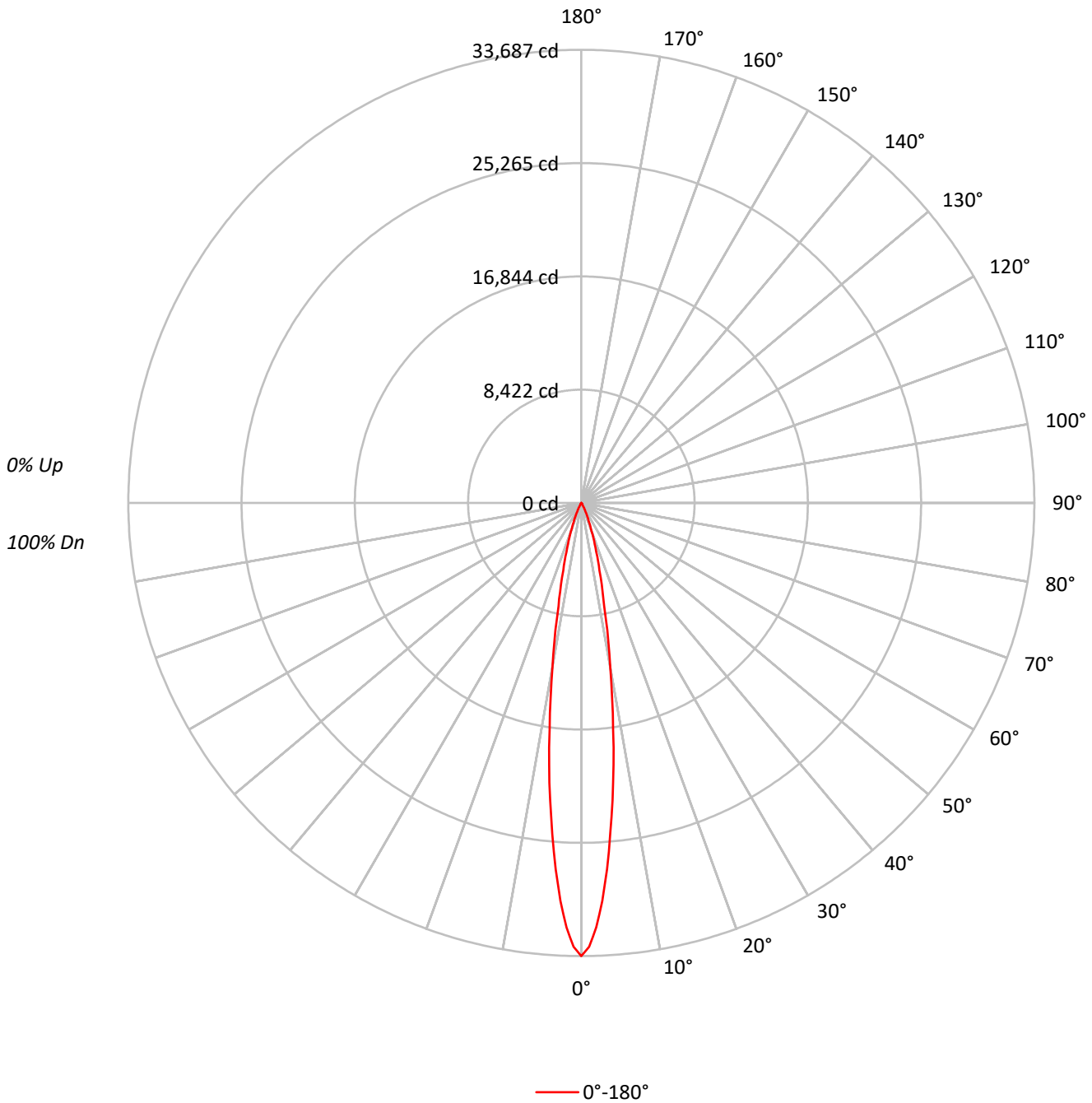
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 500.0 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	98
2	112	109	106	104	110	107	105	103	104	102	101	101	100	99	99	98	97	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	96	97	95	94	93
4	106	102	98	95	105	101	97	95	99	96	94	97	95	93	95	93	92	91
5	104	99	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89
6	101	96	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	87
7	99	94	90	87	98	93	90	87	92	89	87	91	88	86	90	88	86	85
8	97	91	88	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83
9	95	89	86	83	94	89	86	83	88	85	83	87	85	83	87	84	83	82
10	93	87	84	82	92	87	84	82	86	83	81	86	83	81	85	83	81	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	16620526
5°	12240157
10°	6179570
15°	2647343
20°	1172265
25°	431697
30°	125563
35°	53304
40°	27952
45°	20235
50°	11130
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1953.9	48.8
10°-20°	1546.6	38.7
20°-30°	416.0	10.4
30°-40°	62.7	1.6
40°-50°	19.3	0.5
50°-60°	1.5	0.0
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°	3916.5	97.9
0°-40°	3979.1	99.5
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°	33687	
5°	24714	###
15°	5183	1547
25°	793	416
35°	88	63
45°	29	19
55°	0	2
65°	0	0
75°	0	0
85°	0	0
90°	0	0



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CANDELA DISTRIBUTION (FULL):

	0°
0°	33687.1
1°	32997.0
2°	31557.3
3°	29633.4
4°	27299.4
5°	24714.4
6°	22217.8
7°	19632.8
8°	17018.9
9°	14596.3
10°	12334.7
12.5°	7841.9
15°	5182.9
17.5°	3464.9
20°	2232.7
22.5°	1380.2
25°	793.0
27.5°	426.3
30°	220.4
32.5°	131.9
35°	88.5
37.5°	59.5
40°	43.4
42.5°	29.0
45°	29.0
47.5°	14.5
50°	14.5
52.5°	0.0
55°	0.0
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
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)