

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: P247018

Luminaire Tested: **203-SS-8LED2725-12-BK-LSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247018
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-29)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2725-12-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

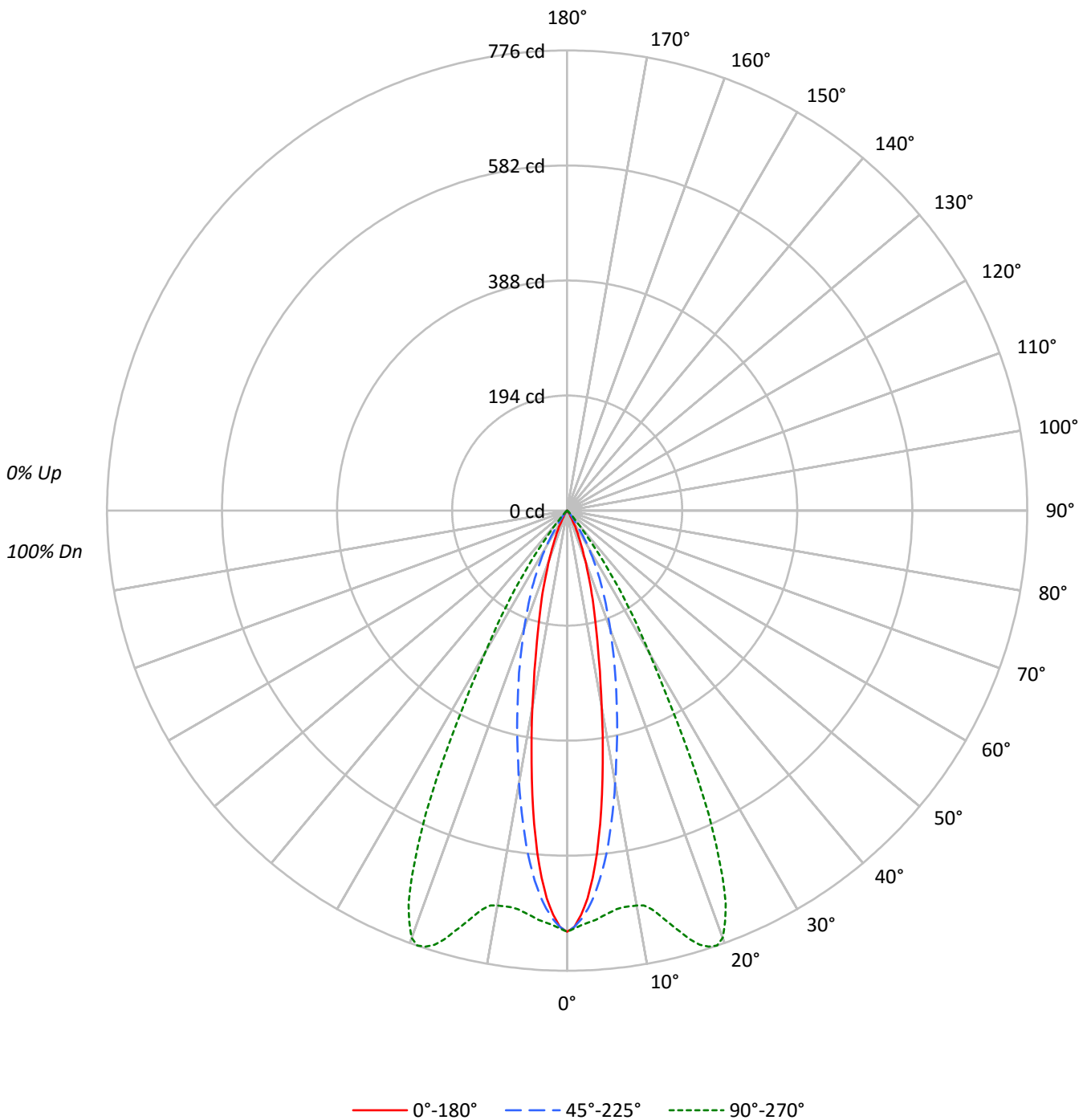
Lumens per Lamp: N/A
Luminaire Lumens: 288.7 lumens
Efficiency: N/A
Efficacy: 36.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.98 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
Input Voltage (V): NR
Input Current (A_{in}): 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	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					100			
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95					95			
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90					90			
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86					86			
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82					82			
5	97	90	85	81	96	89	84	81	87	83	80	86	82	80	84	81	79	78					78			
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74					74			
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71					71			
8	86	78	73	70	85	78	73	69	77	72	69	76	72	69	75	71	69	67					67			
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65					65			
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62					62			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	350398	350398	350398
5°	286659	310134	339999
10°	168784	233712	338870
15°	90460	163655	375375
20°	45994	111204	402603
25°	21394	73056	307142
30°	7292	41076	157068
35°	3313	14275	69807
40°	1739	4702	18227
45°	1256	1884	3210
50°	691	1382	1382
55°	774	774	774
60°	888	888	888
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	19.1
10°-20°	108.0	37.4
20°-30°	92.3	32.0
30°-40°	28.9	10.0
40°-50°	3.2	1.1
50°-60°	0.9	0.3
60°-70°	0.1	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°	255.6	88.5
0°-40°	284.5	98.6
0°-60°	288.6	100.0
0°-90°	288.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	288.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	579	589	626	669	686	47
15°	177	205	320	560	735	50
25°	39	54	134	334	564	19
35°	6	7	24	78	116	4
45°	2	2	3	5	5	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	710.2	710.2	710.2	710.2	710.2
1°	702.0	701.1	702.0	703.8	704.7
2°	681.9	682.8	689.2	696.5	699.3
3°	654.5	657.3	671.9	689.2	695.6
4°	620.8	626.2	651.8	680.1	692.0
5°	578.8	588.8	626.2	669.1	686.5
6°	531.3	546.8	597.9	656.4	681.9
7°	482.9	503.0	567.8	644.5	677.4
8°	430.0	456.4	533.1	629.0	675.5
9°	382.5	410.8	500.3	617.1	675.5
10°	336.9	367.0	466.5	604.3	676.4
11°	294.9	325.9	432.7	591.5	678.3
12°	257.4	289.4	403.5	579.7	687.4
13°	225.5	258.3	375.2	572.4	702.0
14°	199.9	229.1	346.0	566.0	718.4
15°	177.1	205.4	320.4	560.5	734.9
16°	156.1	183.5	296.7	550.5	752.2
17°	136.9	164.3	273.9	541.3	765.9
18°	118.7	145.1	252.0	529.5	773.2
19°	102.2	128.7	231.0	513.0	776.0
20°	87.6	112.3	211.8	493.9	766.8
21°	75.8	97.7	194.4	472.0	743.1
22°	63.9	84.9	178.0	440.9	713.9
23°	54.8	72.1	162.5	405.3	670.1
24°	46.6	62.1	147.9	369.7	618.0
25°	39.3	53.9	134.2	334.1	564.2
26°	32.9	45.6	120.5	297.6	500.3
27°	27.4	39.3	107.7	266.6	432.7
28°	21.0	32.0	94.9	234.6	369.7
29°	16.4	25.6	84.0	203.6	318.6
30°	12.8	20.1	72.1	177.1	275.7
32.5°	8.2	11.9	45.6	123.2	189.9
35°	5.5	7.3	23.7	77.6	115.9
37.5°	4.6	5.5	12.8	40.2	55.7
40°	2.7	3.7	7.3	17.3	28.3
42.5°	2.7	2.7	4.6	8.2	10.0
45°	1.8	1.8	2.7	4.6	4.6
47.5°	1.8	1.8	1.8	2.7	3.7
50°	0.9	0.9	1.8	1.8	1.8
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)