

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: PORTFOLIO

Report Number: P247288

Luminaire Tested: **LSR8B100D010 EC8B100827 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B100827 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9704.0 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

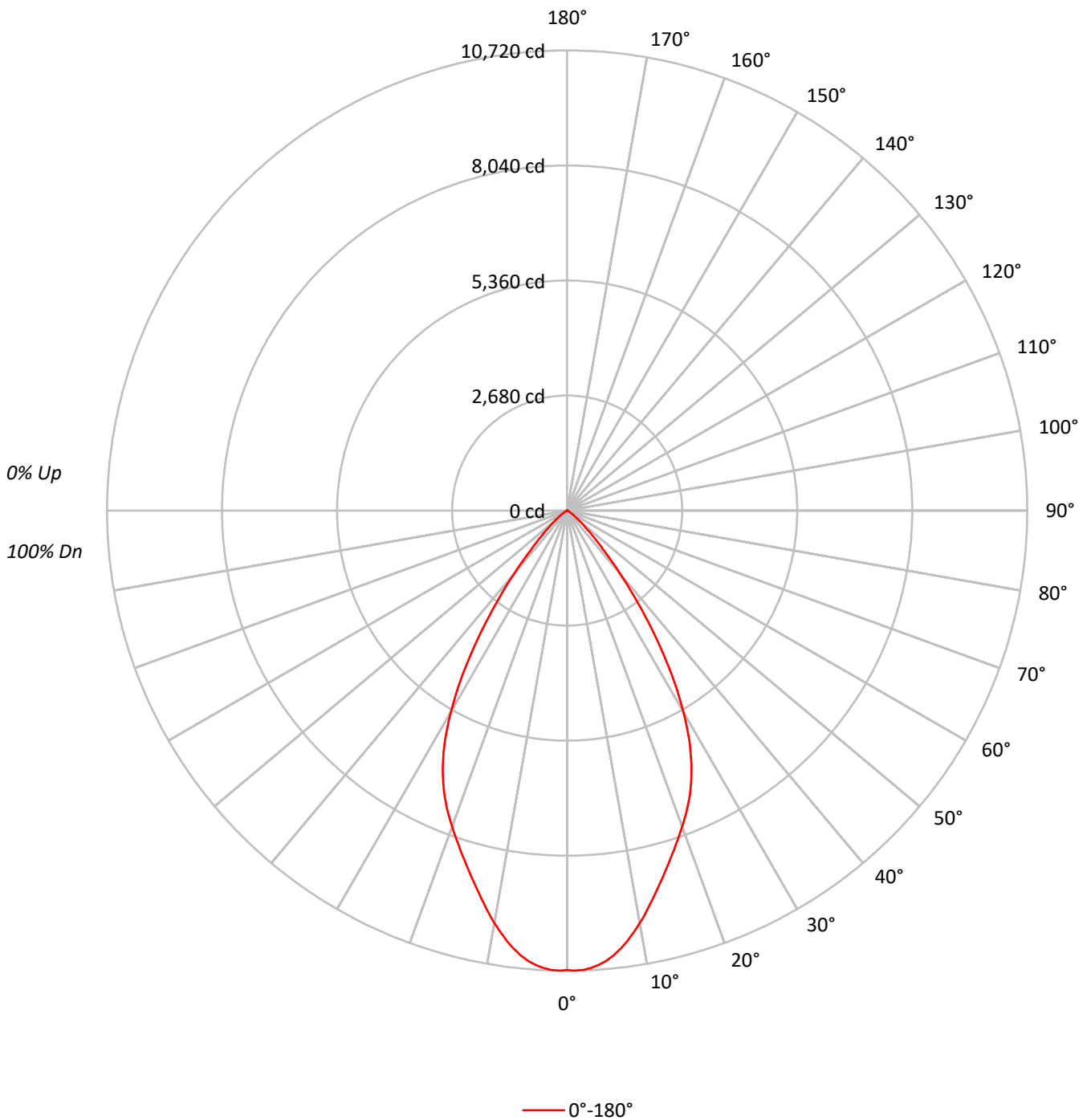
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	66	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51		59	54	51		58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	330087
5°	325832
10°	305474
15°	279336
20°	257157
25°	233014
30°	192939
35°	135308
40°	76998
45°	37792
50°	18637
55°	8457
60°	4009
65°	2167
70°	225
75°	298
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	979.6	10.1
10°-20°	2456.3	25.3
20°-30°	3100.7	32.0
30°-40°	2230.5	23.0
40°-50°	738.3	7.6
50°-60°	160.8	1.7
60°-70°	33.1	0.3
70°-80°	3.2	0.0
80°-90°	1.7	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°	6536.5	67.4
0°-40°	8767.0	90.3
0°-60°	9666.0	99.6
0°-90°	9704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9704.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10704	
5°	10526	980
15°	8750	2456
25°	6848	3101
35°	3594	2230
45°	867	738
55°	157	161
65°	30	33
75°	2	3
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10704.5
1°	10719.5
2°	10707.0
3°	10671.7
4°	10606.1
5°	10526.3
6°	10416.9
7°	10274.3
8°	10117.0
9°	9945.0
10°	9755.8
11°	9562.6
12°	9352.2
13°	9149.5
14°	8945.6
15°	8750.0
16°	8557.4
17°	8372.8
18°	8189.8
19°	8013.7
20°	7836.5
21°	7655.0
22°	7477.7
23°	7284.9
24°	7077.0
25°	6848.5
26°	6608.7
27°	6341.6
28°	6059.2
29°	5745.5
30°	5418.6
31°	5074.9
32°	4713.1
33°	4333.4
34°	3962.1
35°	3594.4
37.5°	2699.4
40°	1912.8
42.5°	1295.9
45°	866.6
47.5°	581.4
50°	388.5
52.5°	234.6
55°	157.3
57.5°	109.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	65.0
62.5°	44.5
65°	29.7
67.5°	26.7
70°	2.5
72.5°	6.1
75°	2.5
77.5°	2.5
80°	0.0
82.5°	6.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)