

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: P249878

Luminaire Tested: **LSR8B120D010 EC8B120830 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120830 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11528.0 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

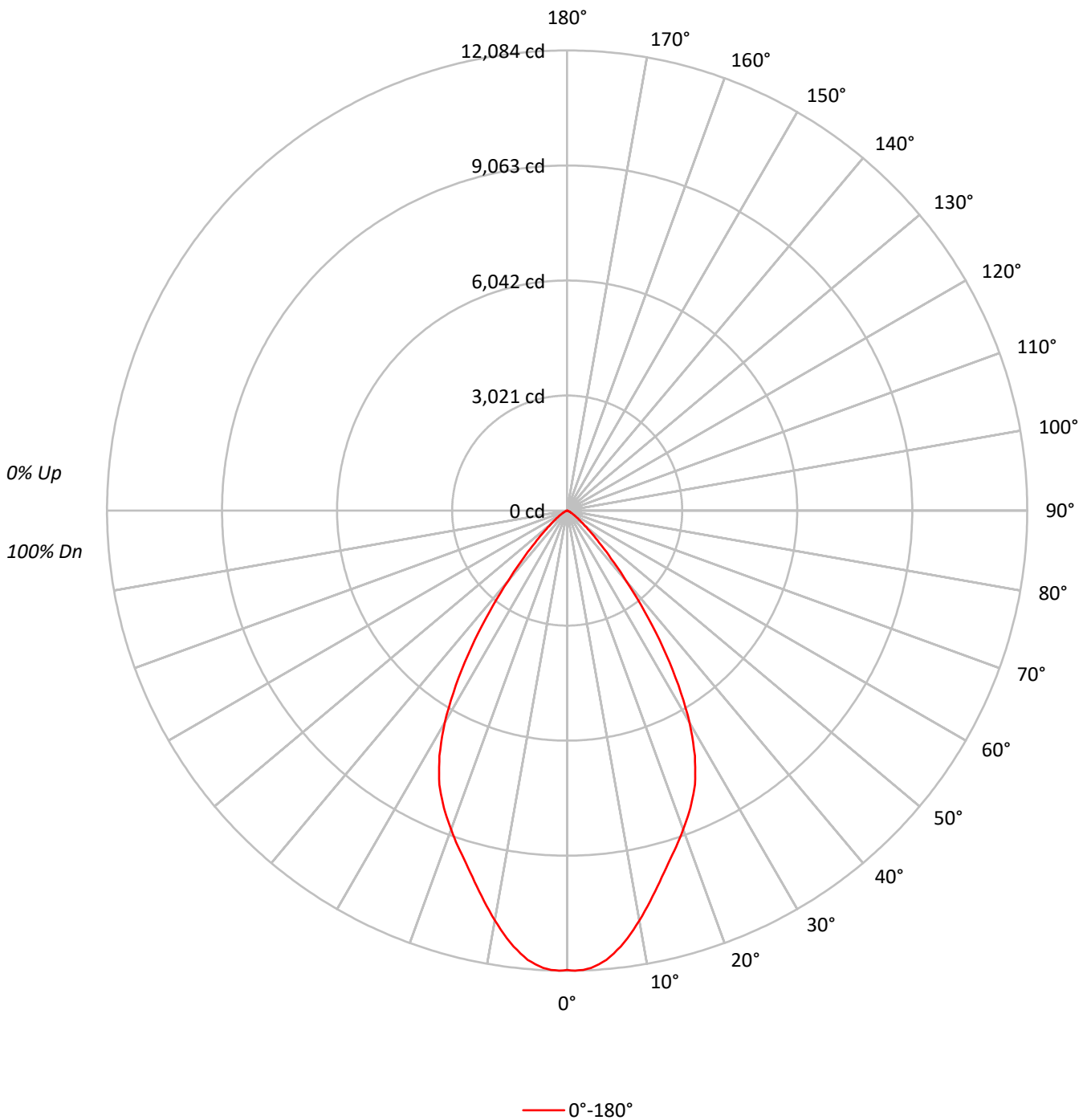
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	101		100	99	98		97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76		83	79	76		81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60		68	64	60		67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56		64	60	56		63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53		61	56	52		60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49		57	53	49		57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	372074
5°	366596
10°	342128
15°	314037
20°	292483
25°	270226
30°	229154
35°	164851
40°	97113
45°	51899
50°	27081
55°	15268
60°	8424
65°	4984
70°	2272
75°	1287
80°	639
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1100.0	9.5
10°-20°	2767.7	24.0
20°-30°	3593.0	31.2
30°-40°	2711.9	23.5
40°-50°	992.3	8.6
50°-60°	277.4	2.4
60°-70°	72.9	0.6
70°-80°	12.3	0.1
80°-90°	0.5	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°	7460.7	64.7
0°-40°	10172.6	88.2
0°-60°	11442.3	99.3
0°-90°	11528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11528.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12066	
5°	11843	###
15°	9837	2768
25°	7942	3593
35°	4379	2712
45°	1190	992
55°	284	277
65°	68	73
75°	11	12
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12066.1
1°	12084.1
2°	12069.7
3°	12023.0
4°	11943.9
5°	11843.2
6°	11695.8
7°	11534.0
8°	11347.0
9°	11142.1
10°	10926.4
11°	10710.7
12°	10487.7
13°	10261.2
14°	10045.5
15°	9837.0
16°	9639.2
17°	9448.7
18°	9276.1
19°	9096.3
20°	8913.0
22.5°	8456.4
25°	7942.2
27.5°	7262.7
30°	6435.7
32.5°	5439.8
35°	4379.2
37.5°	3343.7
40°	2412.5
42.5°	1707.8
45°	1190.1
47.5°	837.7
50°	564.5
52.5°	413.5
55°	284.0
57.5°	204.9
60°	136.6
62.5°	100.7
65°	68.3
67.5°	46.7
70°	25.2
72.5°	18.0
75°	10.8
77.5°	3.6
80°	3.6



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)