

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: P249885

Luminaire Tested: **LSR8B120D010 EC8B120835 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249885
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 EC8B120835 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11988.0 lumens
Efficiency: N/A
Efficacy: 101.3 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

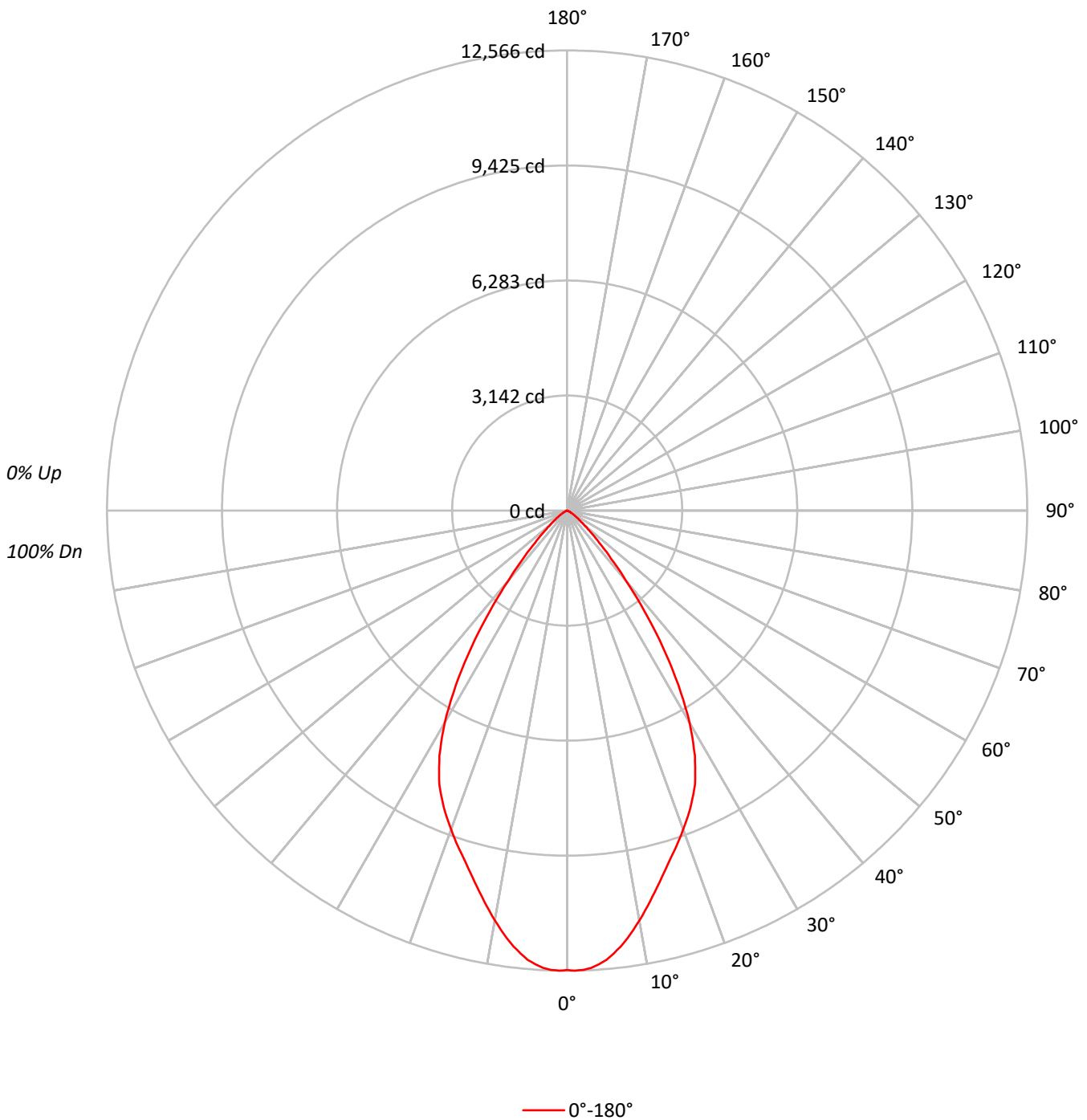
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	386922
5°	381225
10°	355780
15°	326568
20°	304152
25°	281009
30°	238298
35°	171428
40°	100989
45°	53971
50°	28160
55°	15881
60°	8764
65°	5181
70°	2362
75°	1334
80°	657
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1143.9	9.5
10°-20°	2878.1	24.0
20°-30°	3736.4	31.2
30°-40°	2820.1	23.5
40°-50°	1031.9	8.6
50°-60°	288.5	2.4
60°-70°	75.8	0.6
70°-80°	12.7	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°	7758.4	64.7
0°-40°	10578.5	88.2
0°-60°	11898.9	99.3
0°-90°	11988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11988.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12548	
5°	12316	###
15°	10230	2878
25°	8259	3736
35°	4554	2820
45°	1238	1032
55°	295	288
65°	71	76
75°	11	13
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12547.6
1°	12566.3
2°	12551.3
3°	12502.7
4°	12420.5
5°	12315.8
6°	12162.5
7°	11994.2
8°	11799.8
9°	11586.7
10°	11362.4
11°	11138.0
12°	10906.2
13°	10670.7
14°	10446.4
15°	10229.5
16°	10023.9
17°	9825.7
18°	9646.2
19°	9459.3
20°	9268.6
22.5°	8793.8
25°	8259.1
27.5°	7552.5
30°	6692.5
32.5°	5656.9
35°	4553.9
37.5°	3477.1
40°	2508.8
42.5°	1776.0
45°	1237.6
47.5°	871.2
50°	587.0
52.5°	430.0
55°	295.4
57.5°	213.1
60°	142.1
62.5°	104.7
65°	71.0
67.5°	48.6
70°	26.2
72.5°	18.7
75°	11.2
77.5°	3.7
80°	3.7



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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)