

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: P247982

Luminaire Tested: **LSR8B150D010 EC8B150827 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150827 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14867.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

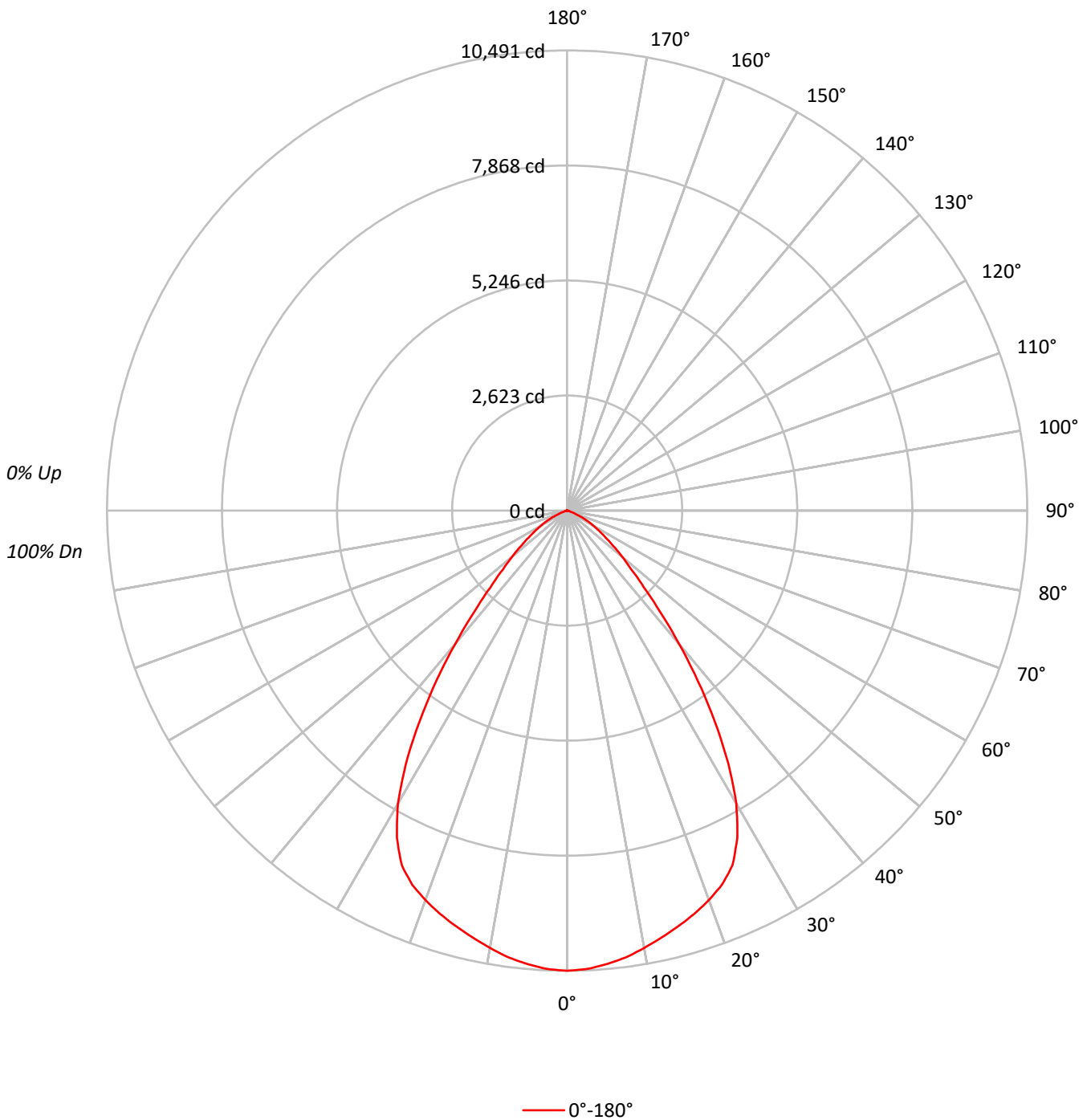
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	323498
5°	321307
10°	317031
15°	313134
20°	310056
25°	303570
30°	274627
35°	220911
40°	159788
45°	107972
50°	78584
55°	57498
60°	42640
65°	28405
70°	12604
75°	5695
80°	3996
85°	4635



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	983.0	6.6
10°-20°	2768.5	18.6
20°-30°	4042.9	27.2
30°-40°	3636.0	24.5
40°-50°	1988.5	13.4
50°-60°	985.8	6.6
60°-70°	389.3	2.6
70°-80°	62.7	0.4
80°-90°	10.2	0.1
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°	7794.4	52.4
0°-40°	11430.4	76.9
0°-60°	14404.8	96.9
0°-90°	14867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14867.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10491	
5°	10380	983
15°	9809	2768
25°	8922	4043
35°	5868	3636
45°	2476	1989
55°	1070	986
65°	389	389
75°	48	63
85°	13	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10490.8
2.5°	10461.7
5°	10380.1
7.5°	10274.1
10°	10124.9
12.5°	9966.4
15°	9808.7
17.5°	9639.9
20°	9448.5
22.5°	9229.9
25°	8922.2
27.5°	8404.3
30°	7712.8
32.5°	6841.3
35°	5868.4
37.5°	4897.3
40°	3969.5
42.5°	3133.5
45°	2475.9
47.5°	1984.3
50°	1638.1
52.5°	1333.2
55°	1069.5
57.5°	864.1
60°	691.4
62.5°	547.0
65°	389.3
67.5°	231.7
70°	139.8
72.5°	78.8
75°	47.8
77.5°	31.0
80°	22.5
82.5°	7.5
85°	13.1
87.5°	5.6
90°	0.0

(END OF REPORT)