

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: P247862

Luminaire Tested: **LSR8B150D010 EC8B150940 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150940 8LBMOLI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14785.1 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

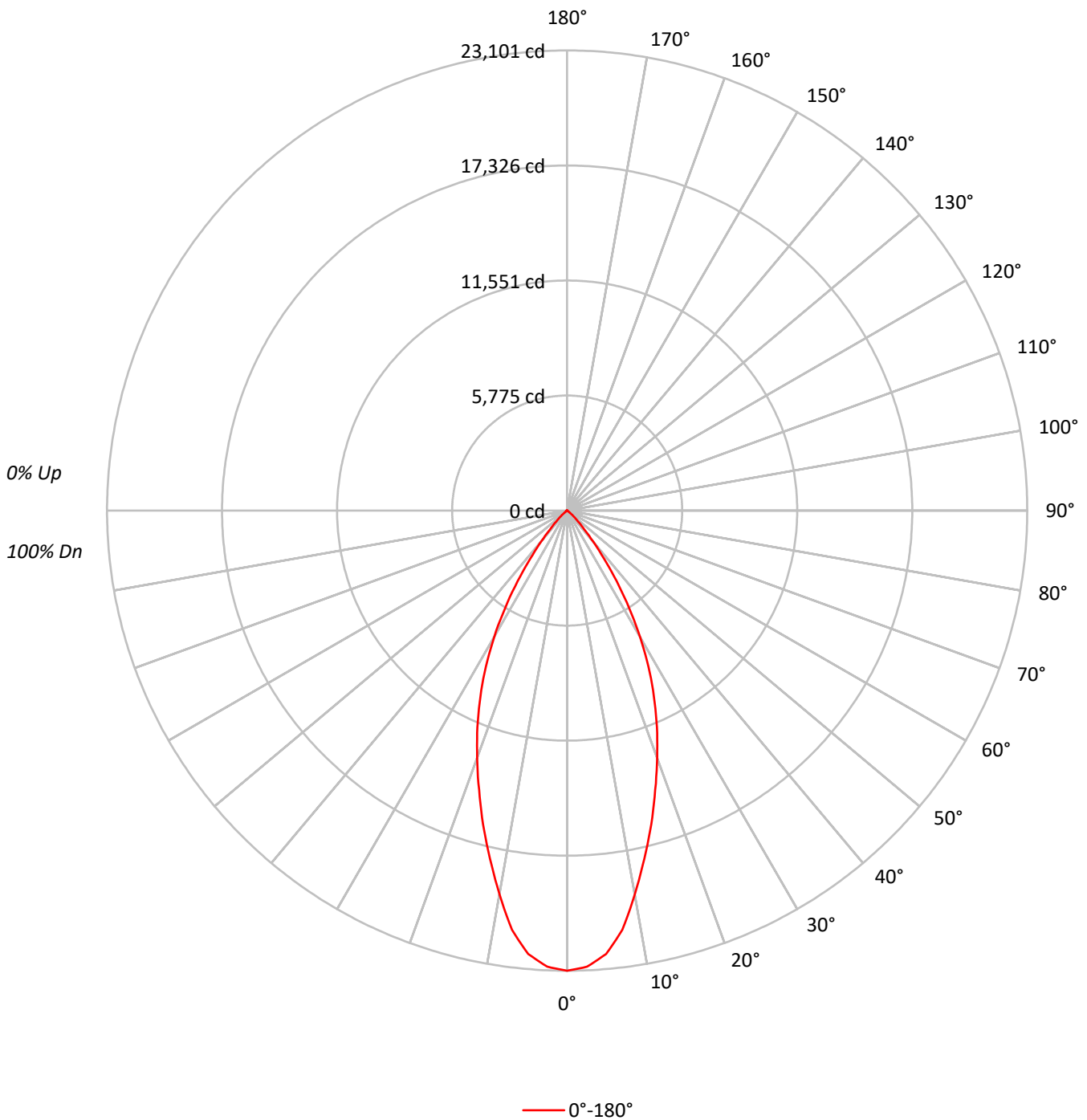
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	80	75	71	79	74	71	78	73	70	76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59	67	62	59	66	62	59	58
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	712344
5°	691908
10°	612338
15°	520471
20°	433349
25°	350462
30°	260460
35°	162578
40°	80057
45°	33867
50°	12262
55°	3785
60°	2035
65°	846
70°	884
75°	214
80°	320
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2044.3	13.8
10°-20°	4534.7	30.7
20°-30°	4684.5	31.7
30°-40°	2730.9	18.5
40°-50°	684.3	4.6
50°-60°	83.0	0.6
60°-70°	17.4	0.1
70°-80°	2.2	0.0
80°-90°	3.7	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°	11263.6	76.2
0°-40°	13994.5	94.7
0°-60°	14761.8	99.8
0°-90°	14785.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14785.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23101	
5°	22353	###
15°	16303	4535
25°	10300	4684
35°	4319	2731
45°	777	684
55°	70	83
65°	12	17
75°	2	2
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	23100.8
2.5°	22921.8
5°	22352.7
7.5°	21232.2
10°	19556.0
12.5°	17895.8
15°	16303.4
17.5°	14705.5
20°	13205.7
22.5°	11764.6
25°	10300.4
27.5°	8844.2
30°	7314.9
32.5°	5806.2
35°	4318.8
37.5°	3034.4
40°	1988.8
42.5°	1253.1
45°	776.6
47.5°	473.8
50°	255.6
52.5°	124.7
55°	70.4
57.5°	38.3
60°	33.0
62.5°	23.2
65°	11.6
67.5°	14.3
70°	9.8
72.5°	0.0
75°	1.8
77.5°	0.9
80°	1.8
82.5°	2.7
85°	0.0
87.5°	9.8
90°	0.0

(END OF REPORT)