

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: P250698

Luminaire Tested: **LSR8B150D010 EC8B150927 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150927 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11386.2 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

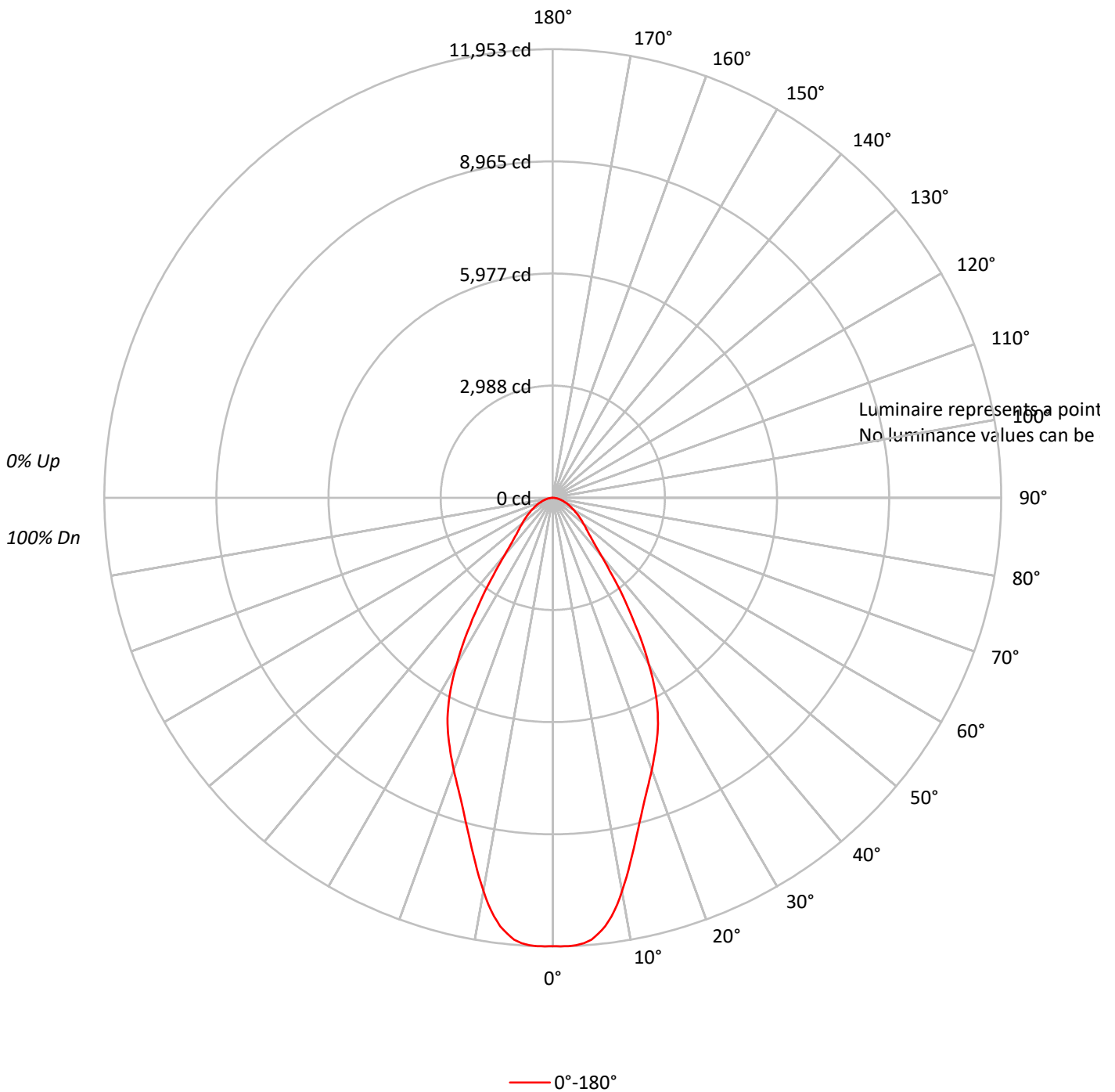
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	109	106	104	101	102	100	98		98	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71		78	74	70		76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1090.5	9.6
10°-20°	2516.1	22.1
20°-30°	2998.8	26.3
30°-40°	2116.8	18.6
40°-50°	1093.1	9.6
50°-60°	750.2	6.6
60°-70°	487.7	4.3
70°-80°	255.3	2.2
80°-90°	77.6	0.7
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°	6605.4	58.0
0°-40°	8722.2	76.6
0°-60°	10565.5	92.8
0°-90°	11386.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11386.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11946	
5°	11815	###
15°	8948	2516
25°	6638	2999
35°	3364	2117
45°	1366	1093
55°	832	750
65°	490	488
75°	236	255
85°	66	78
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11945.6
1°	11952.9
2°	11952.9
3°	11934.7
4°	11894.7
5°	11814.8
6°	11673.1
7°	11498.7
8°	11258.9
9°	10968.3
10°	10641.4
11°	10296.1
12°	9936.3
13°	9591.3
14°	9257.1
15°	8948.4
16°	8661.3
17°	8396.1
18°	8156.2
19°	7931.0
20°	7713.0
21°	7498.7
22°	7288.0
23°	7077.3
24°	6863.0
25°	6637.6
26°	6383.2
27°	6107.2
28°	5805.7
29°	5486.0
30°	5122.6
31°	4770.2
32°	4410.4
33°	4040.0
34°	3698.4
35°	3364.3
37.5°	2590.4
40°	1994.6
42.5°	1605.8
45°	1366.0
47.5°	1195.2
50°	1060.9
52.5°	944.7
55°	832.0
57.5°	730.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	646.6
62.5°	563.2
65°	490.5
67.5°	425.0
70°	341.6
72.5°	294.3
75°	236.2
77.5°	192.5
80°	149.0
82.5°	109.0
85°	65.5
87.5°	36.2
90°	0.0

(END OF REPORT)