

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: P250628

Luminaire Tested: **LSR8B150D010 EC8B150827 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250628
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 EC8B150827 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13637.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

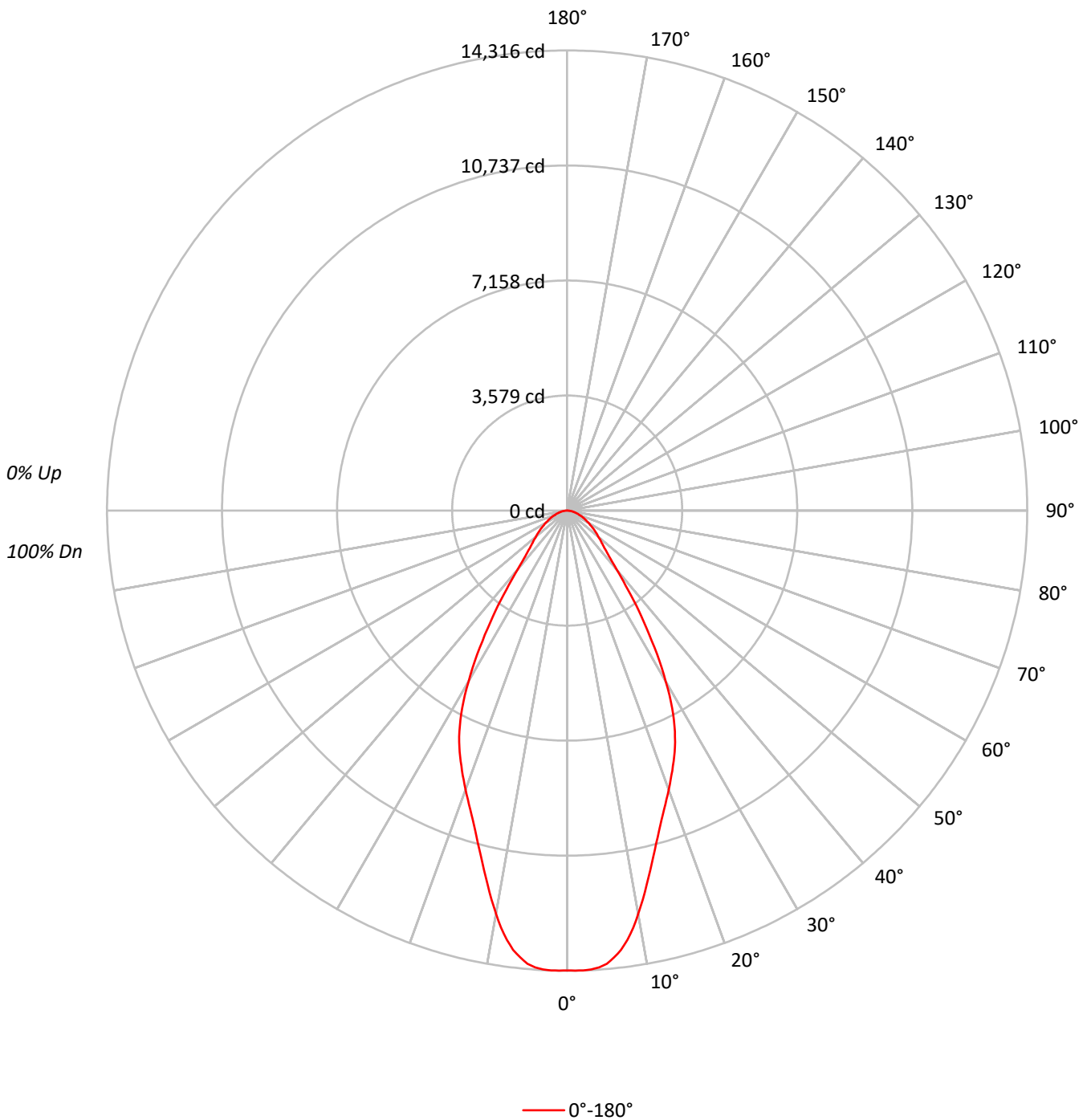
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):

	0°
0°	441175
5°	438010
10°	399072
15°	342140
20°	303138
25°	270485
30°	218454
35°	151683
40°	96163
45°	71349
50°	60954
55°	53573
60°	47765
65°	42860
70°	36884
75°	33705
80°	31662
85°	27738



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1306.0	9.6
10°-20°	3013.5	22.1
20°-30°	3591.6	26.3
30°-40°	2535.3	18.6
40°-50°	1309.3	9.6
50°-60°	898.5	6.6
60°-70°	584.1	4.3
70°-80°	305.8	2.2
80°-90°	92.9	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°	7911.2	58.0
0°-40°	10446.4	76.6
0°-60°	12654.2	92.8
0°-90°	13637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13637.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14307	
5°	14150	###
15°	10717	3013
25°	7950	3592
35°	4029	2535
45°	1636	1309
55°	996	898
65°	587	584
75°	283	306
85°	78	93
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14307.0
1°	14315.8
2°	14315.8
3°	14294.0
4°	14246.1
5°	14150.3
6°	13980.7
7°	13771.8
8°	13484.5
9°	13136.6
10°	12745.0
11°	12331.5
12°	11900.7
13°	11487.4
14°	11087.1
15°	10717.3
16°	10373.5
17°	10055.9
18°	9768.6
19°	9498.8
20°	9237.7
21°	8981.0
22°	8728.7
23°	8476.3
24°	8219.6
25°	7949.8
26°	7645.1
27°	7314.4
28°	6953.4
29°	6570.5
30°	6135.2
31°	5713.3
32°	5282.4
33°	4838.6
34°	4429.5
35°	4029.4
37.5°	3102.5
40°	2388.9
42.5°	1923.3
45°	1636.1
47.5°	1431.5
50°	1270.6
52.5°	1131.4
55°	996.5
57.5°	874.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	774.5
62.5°	674.5
65°	587.4
67.5°	509.1
70°	409.1
72.5°	352.5
75°	282.9
77.5°	230.5
80°	178.3
82.5°	130.5
85°	78.4
87.5°	43.4
90°	0.0

(END OF REPORT)