

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: P243853

Luminaire Tested: **LSR8B15D010 EC8B15950 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B15950 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1500.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

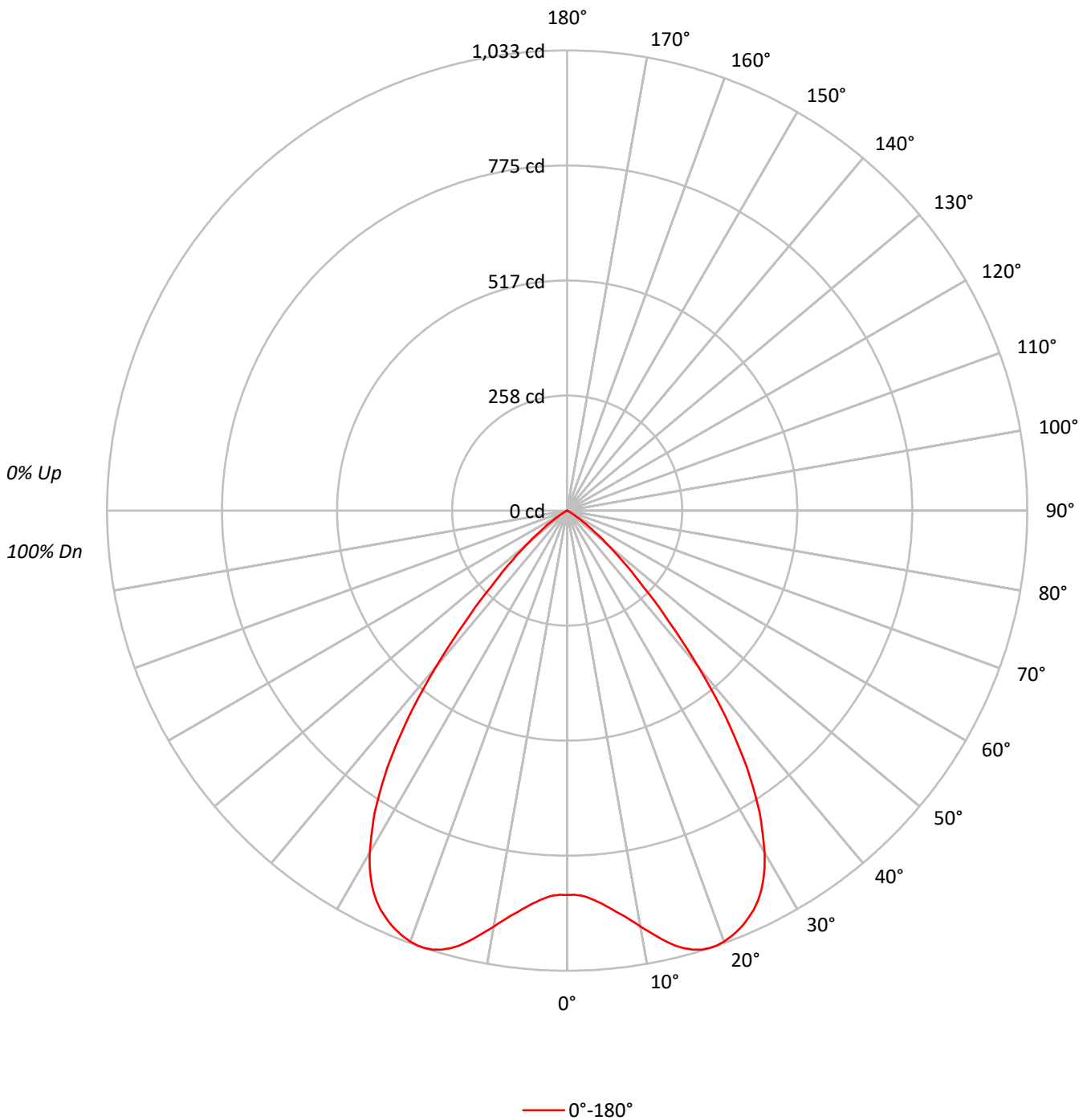
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77				77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70				70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64				64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58				58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54				54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49				49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45				45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42				42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26615
5°	27401
10°	29684
15°	32480
20°	33790
25°	33667
30°	31580
35°	26479
40°	18436
45°	10558
50°	5670
55°	2339
60°	580
65°	153
70°	72
75°	48
80°	71
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	5.8
10°-20°	286.7	19.1
20°-30°	451.2	30.1
30°-40°	429.2	28.6
40°-50°	197.8	13.2
50°-60°	45.0	3.0
60°-70°	3.0	0.2
70°-80°	0.6	0.0
80°-90°	0.1	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°	824.4	55.0
0°-40°	1253.6	83.6
0°-60°	1496.4	99.8
0°-90°	1500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1500.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	863	
5°	885	87
15°	1017	287
25°	990	451
35°	703	429
45°	242	198
55°	44	45
65°	2	3
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	863.1
1°	862.6
2°	864.3
3°	869.2
4°	876.6
5°	885.2
6°	895.9
7°	907.4
8°	919.3
9°	933.2
10°	948.0
11°	962.8
12°	978.4
13°	993.1
14°	1006.7
15°	1017.4
16°	1025.2
17°	1030.5
18°	1033.0
19°	1032.5
20°	1029.7
21°	1024.7
22°	1018.6
23°	1010.4
24°	1000.9
25°	989.5
26°	975.9
27°	958.7
28°	938.2
29°	914.4
30°	886.9
32.5°	804.4
35°	703.4
37.5°	586.0
40°	458.0
42.5°	338.6
45°	242.1
47.5°	171.5
50°	118.2
52.5°	75.5
55°	43.5
57.5°	21.8
60°	9.4
62.5°	3.7
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.2
70°	0.8
72.5°	0.8
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)