

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: P244308

Luminaire Tested: **LSR8B10D010 EC8B10830 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10830 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1005.0 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

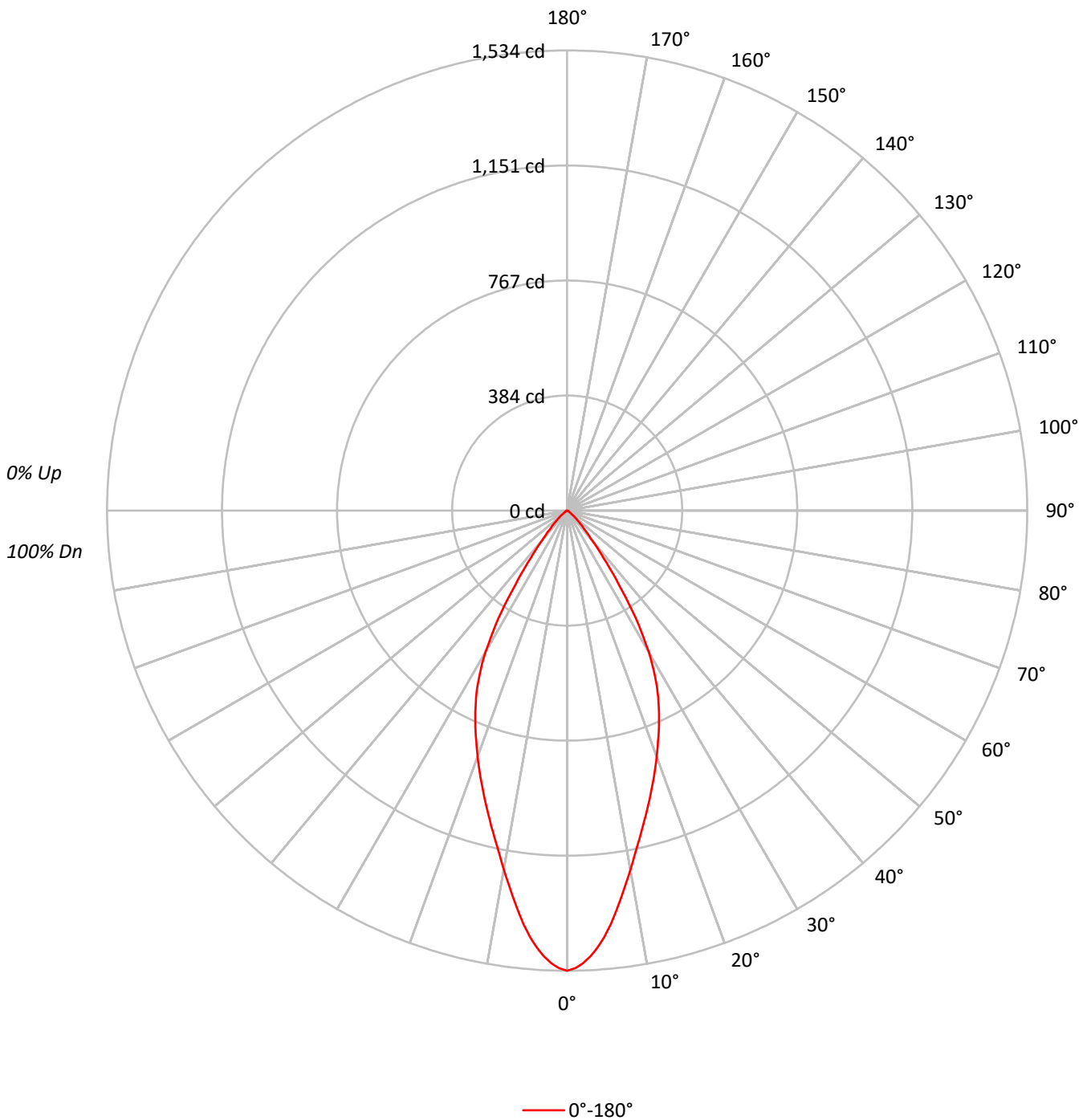
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	81	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	58		64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55		62	58	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47306
5°	44125
10°	38038
15°	32917
20°	28635
25°	24610
30°	19338
35°	11282
40°	5205
45°	2695
50°	1353
55°	656
60°	333
65°	197
70°	90
75°	83
80°	53
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	12.8
10°-20°	288.3	28.7
20°-30°	327.8	32.6
30°-40°	192.5	19.2
40°-50°	51.7	5.1
50°-60°	12.2	1.2
60°-70°	2.8	0.3
70°-80°	0.6	0.1
80°-90°	0.0	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°	745.1	74.1
0°-40°	937.6	93.3
0°-60°	1001.5	99.7
0°-90°	1005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1005.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1534	
5°	1426	129
15°	1031	288
25°	723	328
35°	300	193
45°	62	52
55°	12	12
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1534.1
1°	1525.7
2°	1510.0
3°	1488.0
4°	1459.5
5°	1425.5
6°	1387.2
7°	1343.7
8°	1300.3
9°	1256.5
10°	1214.8
11°	1174.0
12°	1135.7
13°	1100.0
14°	1064.4
15°	1031.1
16°	998.5
17°	966.3
18°	935.1
19°	903.5
20°	872.6
21°	841.7
22°	812.2
23°	783.0
24°	753.2
25°	723.3
26°	692.4
27°	658.8
28°	623.5
29°	584.8
30°	543.1
32.5°	426.0
35°	299.7
37.5°	197.5
40°	129.3
42.5°	89.3
45°	61.8
47.5°	42.4
50°	28.2
52.5°	18.3
55°	12.2
57.5°	8.1
60°	5.4
62.5°	3.7
65°	2.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	1.0
72.5°	0.7
75°	0.7
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)