

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: P244242

Luminaire Tested: **LSR8B10D010 EC8B10835 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10835 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1133.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

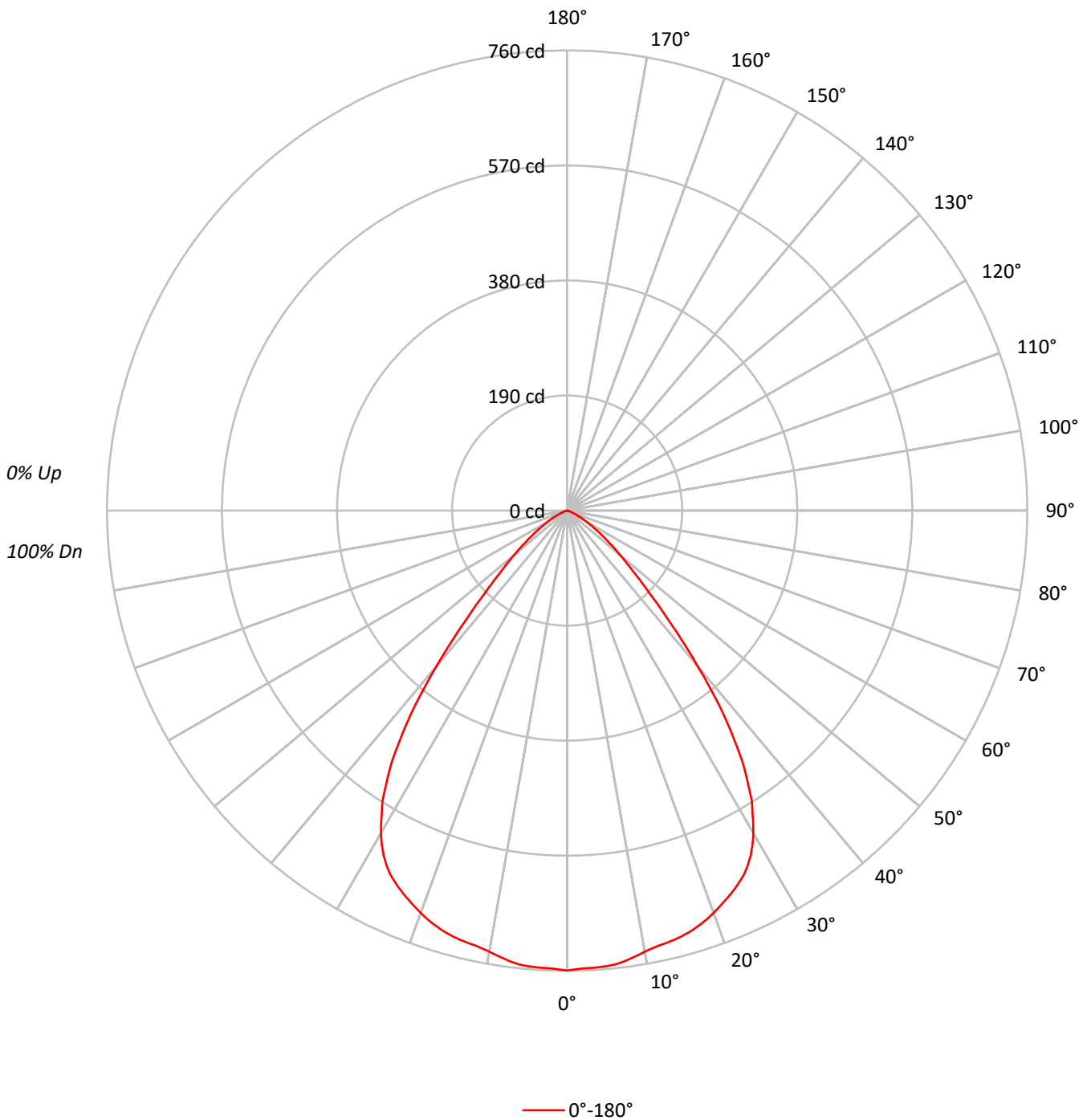
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	64	59	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23426
5°	23373
10°	23161
15°	23250
20°	23200
25°	22973
30°	21898
35°	18958
40°	13525
45°	8312
50°	5483
55°	3629
60°	2325
65°	1270
70°	622
75°	310
80°	178
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	6.3
10°-20°	205.4	18.1
20°-30°	309.1	27.3
30°-40°	306.1	27.0
40°-50°	155.5	13.7
50°-60°	62.7	5.5
60°-70°	19.0	1.7
70°-80°	3.3	0.3
80°-90°	0.4	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°	586.1	51.7
0°-40°	892.2	78.7
0°-60°	1110.4	98.0
0°-90°	1133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1133.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	760	
5°	755	72
15°	728	205
25°	675	309
35°	504	306
45°	191	156
55°	68	63
65°	17	19
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	759.7
1°	758.1
2°	756.8
3°	756.4
4°	756.1
5°	755.1
6°	753.8
7°	751.2
8°	747.3
9°	743.7
10°	739.7
11°	736.5
12°	734.2
13°	732.5
14°	730.6
15°	728.3
16°	725.3
17°	721.7
18°	717.5
19°	712.6
20°	707.0
21°	701.1
22°	695.2
23°	689.0
24°	682.4
25°	675.2
26°	667.4
27°	657.2
28°	645.4
29°	631.4
30°	615.0
32.5°	567.2
35°	503.6
37.5°	424.4
40°	336.0
42.5°	253.8
45°	190.6
47.5°	145.7
50°	114.3
52.5°	88.7
55°	67.5
57.5°	50.1
60°	37.7
62.5°	26.9
65°	17.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.8
70°	6.9
72.5°	4.3
75°	2.6
77.5°	1.6
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)