

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: P244278

Luminaire Tested: **LSR8B10D010 EC8B10940 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244278
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 EC8B10940 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1009.0 lumens
Efficiency: N/A
Efficacy: 98.9 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

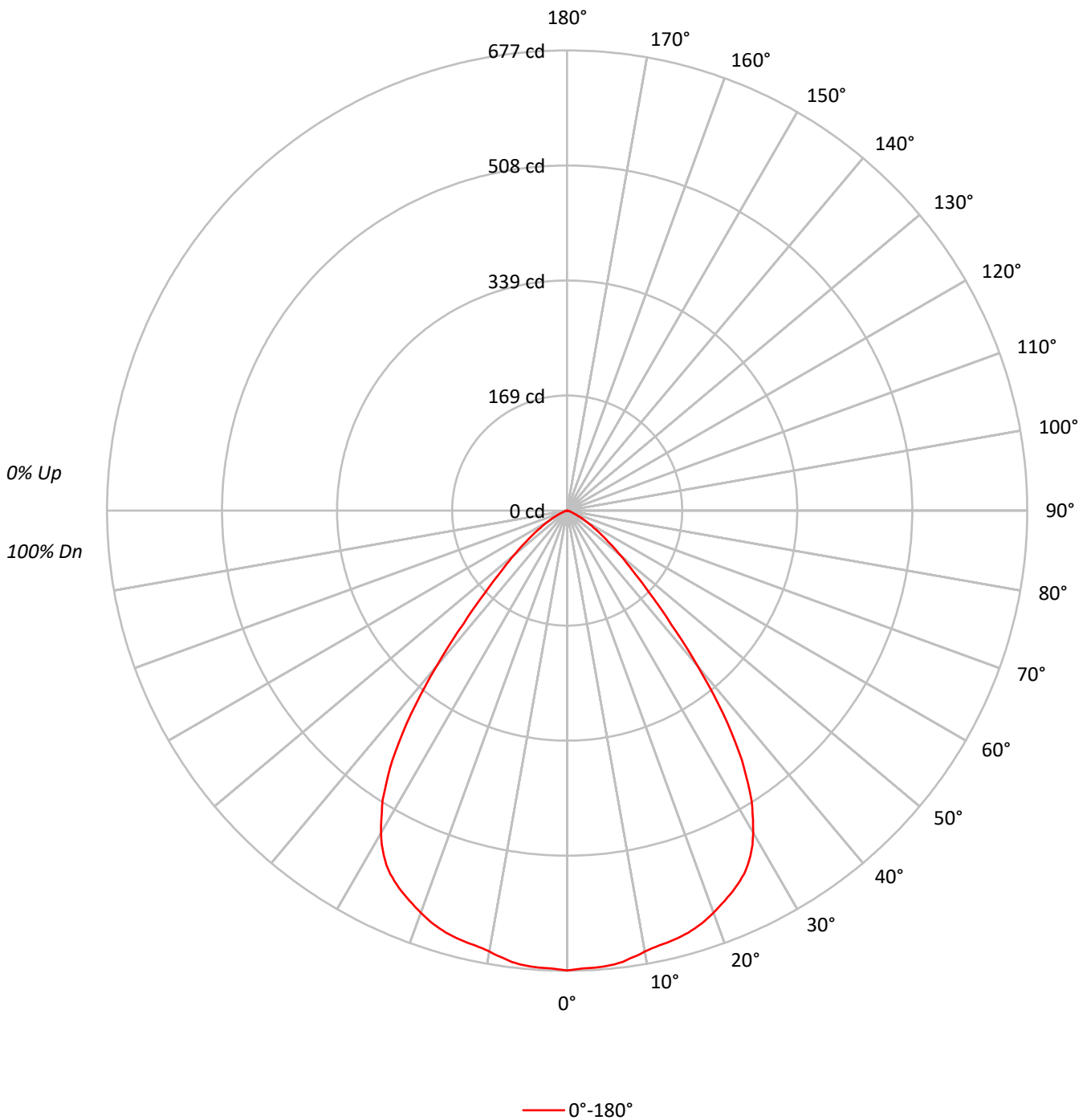
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	65	60	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°	20864
5°	20817
10°	20628
15°	20706
20°	20661
25°	20459
30°	19502
35°	16883
40°	12044
45°	7400
50°	4884
55°	3231
60°	2066
65°	1131
70°	550
75°	274
80°	160
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	6.3
10°-20°	182.9	18.1
20°-30°	275.3	27.3
30°-40°	272.5	27.0
40°-50°	138.5	13.7
50°-60°	55.8	5.5
60°-70°	16.9	1.7
70°-80°	2.9	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°	522.0	51.7
0°-40°	794.5	78.7
0°-60°	988.8	98.0
0°-90°	1009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1009.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	677	
5°	672	64
15°	649	183
25°	601	275
35°	448	273
45°	170	138
55°	60	56
65°	16	17
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	676.6
1°	675.1
2°	674.0
3°	673.7
4°	673.4
5°	672.5
6°	671.3
7°	669.0
8°	665.5
9°	662.3
10°	658.8
11°	655.9
12°	653.8
13°	652.4
14°	650.6
15°	648.6
16°	646.0
17°	642.7
18°	639.0
19°	634.6
20°	629.6
21°	624.4
22°	619.1
23°	613.6
24°	607.8
25°	601.3
26°	594.3
27°	585.3
28°	574.8
29°	562.3
30°	547.7
32.5°	505.1
35°	448.5
37.5°	377.9
40°	299.2
42.5°	226.0
45°	169.7
47.5°	129.8
50°	101.8
52.5°	79.0
55°	60.1
57.5°	44.6
60°	33.5
62.5°	23.9
65°	15.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.6
70°	6.1
72.5°	3.8
75°	2.3
77.5°	1.5
80°	0.9
82.5°	0.6
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)