

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: P244488

Luminaire Tested: **LSR8B10D010 EC8B10935 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10935 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1053.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

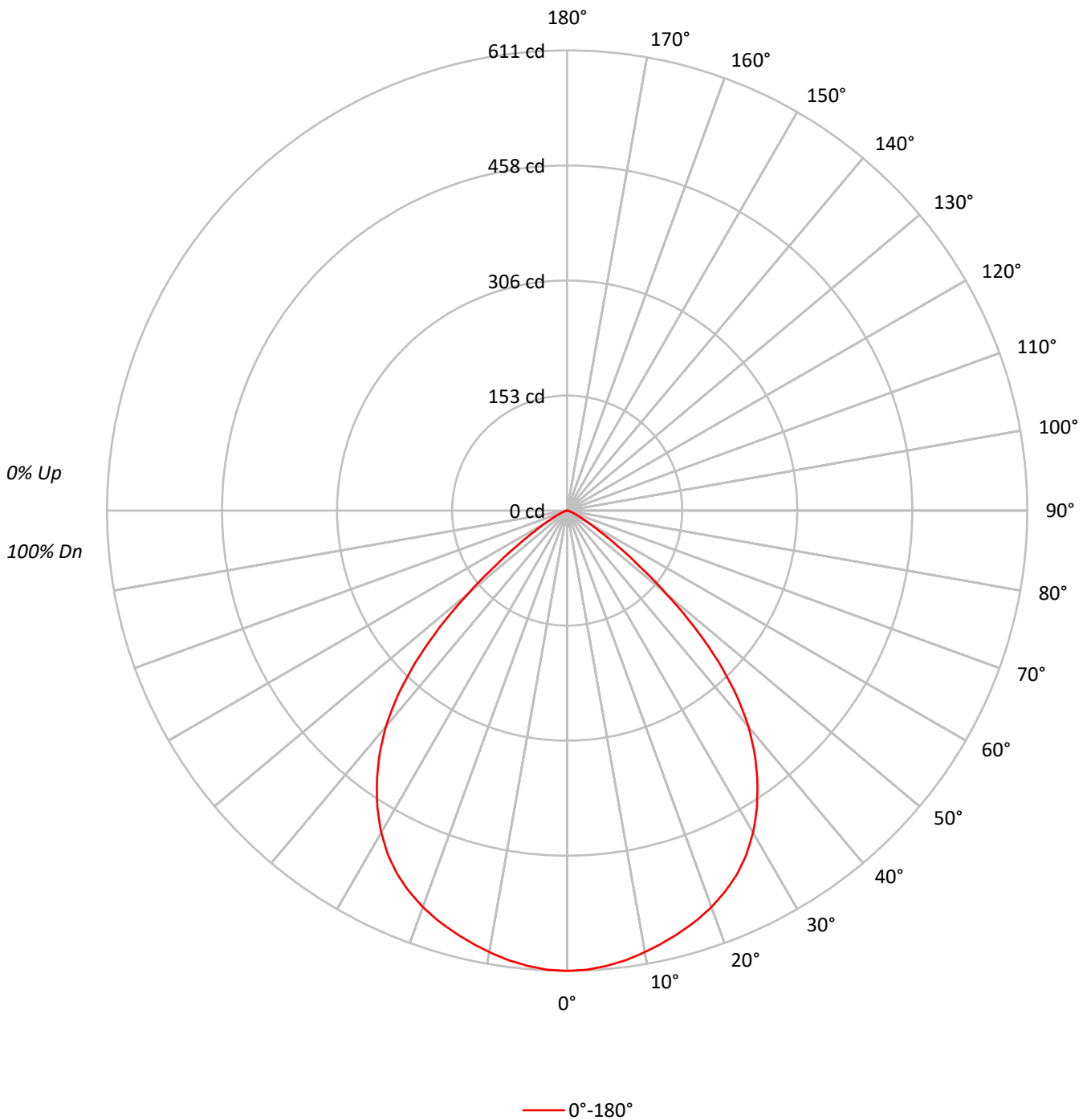
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	18844
5°	18780
10°	18637
15°	18506
20°	18383
25°	18138
30°	17579
35°	16586
40°	15075
45°	12402
50°	8266
55°	4306
60°	2029
65°	1065
70°	532
75°	369
80°	284
85°	212



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	5.5
10°-20°	163.6	15.5
20°-30°	244.8	23.2
30°-40°	273.8	26.0
40°-50°	214.8	20.4
50°-60°	78.4	7.4
60°-70°	16.0	1.5
70°-80°	3.4	0.3
80°-90°	0.7	0.1
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°	465.9	44.2
0°-40°	739.7	70.3
0°-60°	1032.9	98.1
0°-90°	1053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1053.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	611	
5°	607	58
15°	580	164
25°	533	245
35°	441	274
45°	284	215
55°	80	78
65°	15	16
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	611.1
2.5°	610.2
5°	606.7
7.5°	601.8
10°	595.2
12.5°	587.8
15°	579.7
17.5°	570.7
20°	560.2
22.5°	547.7
25°	533.1
27.5°	515.1
30°	493.7
32.5°	468.6
35°	440.6
37.5°	409.3
40°	374.5
42.5°	333.2
45°	284.4
47.5°	229.5
50°	172.3
52.5°	120.8
55°	80.1
57.5°	51.2
60°	32.9
62.5°	21.7
65°	14.6
67.5°	9.3
70°	5.9
72.5°	4.0
75°	3.1
77.5°	2.2
80°	1.6
82.5°	0.9
85°	0.6
87.5°	0.3
90°	0.0

(END OF REPORT)