

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: P244938

Luminaire Tested: **LSR8B10D010 EC8B109727 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B109727 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 844.0 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

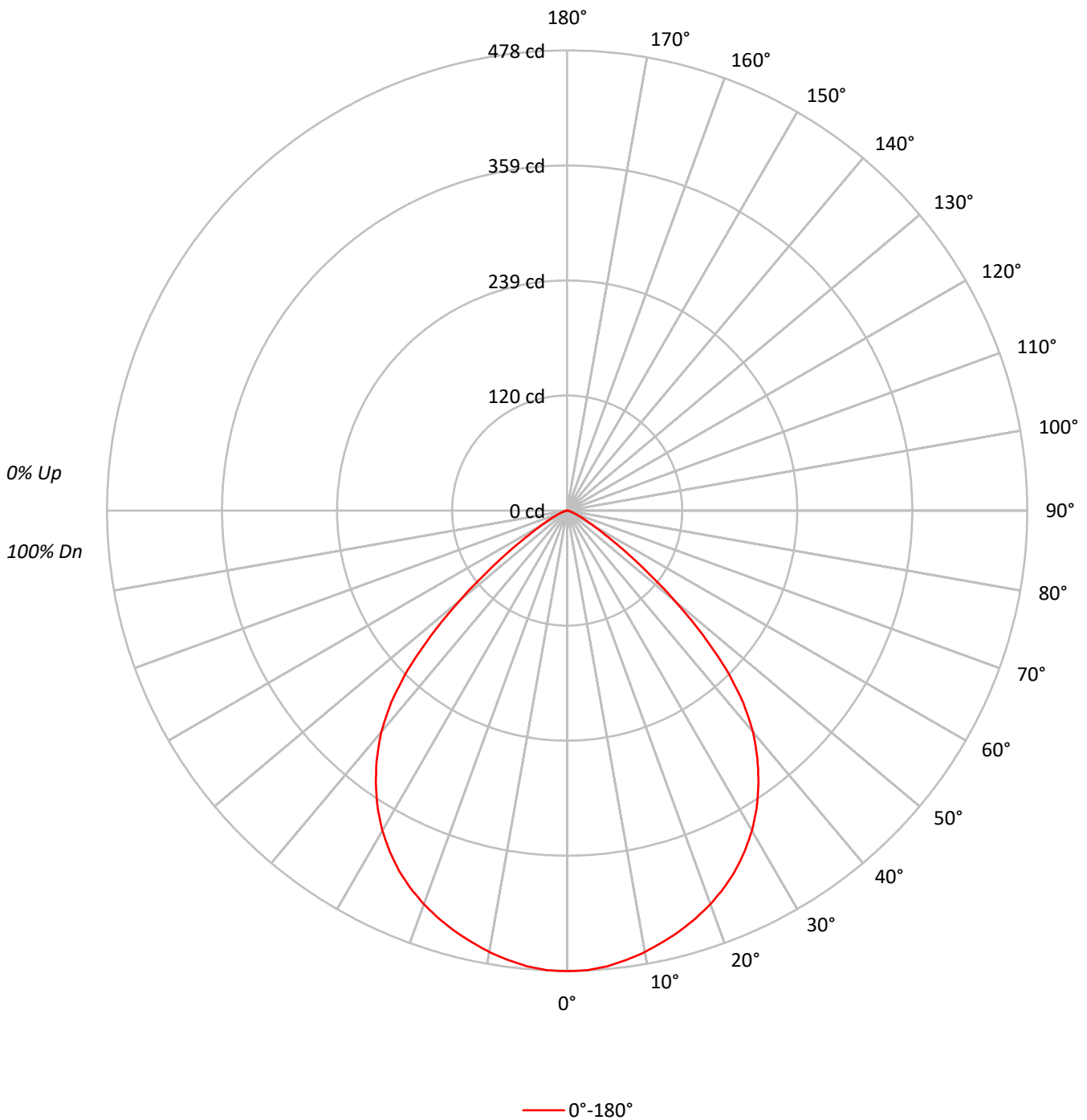
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86		90	87	85		88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61		70	64	60		68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55		64	58	54		63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49		59	53	49		58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		54	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	14755
5°	14709
10°	14579
15°	14433
20°	14278
25°	14052
30°	13666
35°	13044
40°	12088
45°	10209
50°	7004
55°	3860
60°	1943
65°	1094
70°	595
75°	429
80°	266
85°	177



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	5.3
10°-20°	127.5	15.1
20°-30°	189.8	22.5
30°-40°	215.6	25.5
40°-50°	176.3	20.9
50°-60°	69.1	8.2
60°-70°	16.1	1.9
70°-80°	3.9	0.5
80°-90°	0.6	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°	362.4	42.9
0°-40°	578.0	68.5
0°-60°	823.4	97.6
0°-90°	844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	844.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	478	
5°	475	45
15°	452	128
25°	413	190
35°	346	216
45°	234	176
55°	72	69
65°	15	16
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	478.5
2.5°	477.8
5°	475.2
7.5°	470.9
10°	465.6
12.5°	459.0
15°	452.1
17.5°	444.0
20°	435.1
22.5°	424.7
25°	413.0
27.5°	399.3
30°	383.8
32.5°	366.3
35°	346.5
37.5°	324.7
40°	300.3
42.5°	270.9
45°	234.1
47.5°	190.9
50°	146.0
52.5°	104.8
55°	71.8
57.5°	47.0
60°	31.5
62.5°	21.6
65°	15.0
67.5°	9.9
70°	6.6
72.5°	4.6
75°	3.6
77.5°	2.5
80°	1.5
82.5°	0.8
85°	0.5
87.5°	0.3
90°	0.0

(END OF REPORT)