

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: P244506

Luminaire Tested: **LSR8B10D010 EC8B10927 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244506
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 EC8B10927 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 967.4 lumens
Efficiency: N/A
Efficacy: 94.8 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

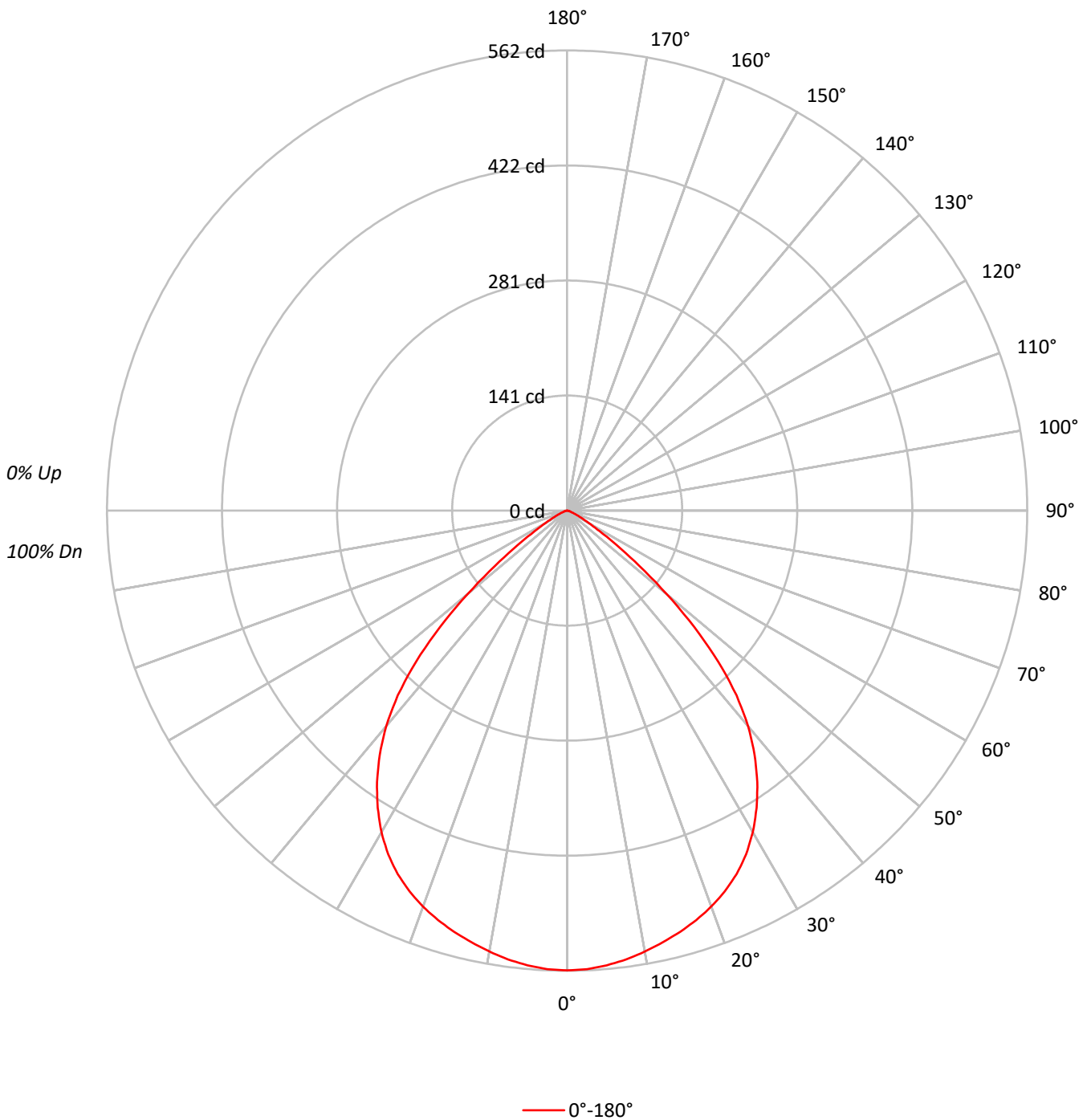
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17315
5°	17254
10°	17125
15°	17006
20°	16890
25°	16665
30°	16151
35°	15242
40°	13847
45°	11395
50°	7594
55°	3957
60°	1869
65°	978
70°	487
75°	334
80°	266
85°	212



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	5.5
10°-20°	150.3	15.5
20°-30°	224.9	23.2
30°-40°	251.5	26.0
40°-50°	197.3	20.4
50°-60°	72.0	7.4
60°-70°	14.7	1.5
70°-80°	3.1	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°	428.1	44.3
0°-40°	679.6	70.3
0°-60°	948.9	98.1
0°-90°	967.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	967.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	562	
5°	557	53
15°	533	150
25°	490	225
35°	405	252
45°	261	197
55°	74	72
65°	13	15
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	561.5
2.5°	560.6
5°	557.4
7.5°	552.9
10°	546.9
12.5°	540.1
15°	532.7
17.5°	524.4
20°	514.7
22.5°	503.2
25°	489.8
27.5°	473.3
30°	453.6
32.5°	430.5
35°	404.9
37.5°	376.0
40°	344.0
42.5°	306.1
45°	261.3
47.5°	210.8
50°	158.3
52.5°	110.9
55°	73.6
57.5°	47.0
60°	30.3
62.5°	20.0
65°	13.4
67.5°	8.5
70°	5.4
72.5°	3.7
75°	2.8
77.5°	2.0
80°	1.5
82.5°	0.9
85°	0.6
87.5°	0.3
90°	0.0

(END OF REPORT)