

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: P244494

Luminaire Tested: **LSR8B10D010 EC8B10940 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244494
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 EC8B10940 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 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: 1099.9 lumens
Efficiency: N/A
Efficacy: 107.8 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

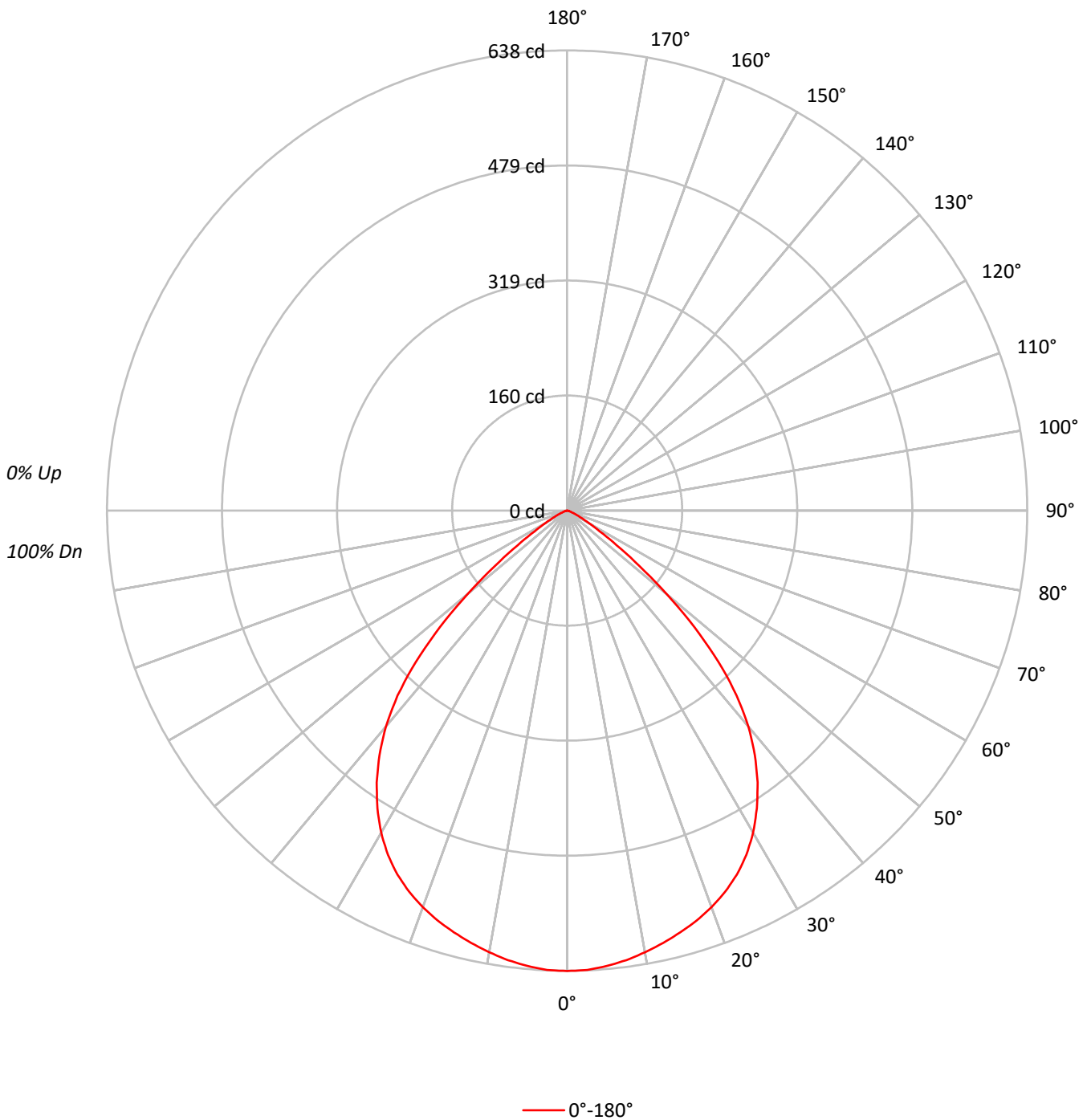
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244494

CATALOG NUMBER: LSR8B10D010 EC8B10940 8LBS0H

Luminous Intensity Polar Plot





TEST NUMBER: P244494

CATALOG NUMBER: LSR8B10D010 EC8B10940 8LBS0H

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	69	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°	19686
5°	19619
10°	19470
15°	19333
20°	19204
25°	18948
30°	18362
35°	17328
40°	15747
45°	12956
50°	8635
55°	4500
60°	2122
65°	1109
70°	559
75°	381
80°	284
85°	212



TEST NUMBER: P244494

CATALOG NUMBER: LSR8B10D010 EC8B10940 8LBS0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	5.5
10°-20°	170.9	15.5
20°-30°	255.7	23.2
30°-40°	286.0	26.0
40°-50°	224.4	20.4
50°-60°	81.9	7.4
60°-70°	16.7	1.5
70°-80°	3.6	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°	486.7	44.3
0°-40°	772.7	70.3
0°-60°	1078.9	98.1
0°-90°	1099.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1099.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	638	
5°	634	60
15°	606	171
25°	557	256
35°	460	286
45°	297	224
55°	84	82
65°	15	17
75°	3	4
85°	1	1
90°	0	



TEST NUMBER: P244494

CATALOG NUMBER: LSR8B10D010 EC8B10940 8LBS0H

CANDELA DISTRIBUTION (FULL):

	0°
0°	638.4
2.5°	637.4
5°	633.8
7.5°	628.6
10°	621.8
12.5°	614.0
15°	605.6
17.5°	596.2
20°	585.2
22.5°	572.2
25°	556.9
27.5°	538.1
30°	515.7
32.5°	489.5
35°	460.3
37.5°	427.5
40°	391.2
42.5°	348.0
45°	297.1
47.5°	239.7
50°	180.0
52.5°	126.2
55°	83.7
57.5°	53.5
60°	34.4
62.5°	22.7
65°	15.2
67.5°	9.7
70°	6.2
72.5°	4.2
75°	3.2
77.5°	2.3
80°	1.6
82.5°	1.0
85°	0.6
87.5°	0.3
90°	0.0

(END OF REPORT)