

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: P250991

Luminaire Tested: **LSR8B70D010 EC8B70840 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250991
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: LSR8B70D010 EC8B70840 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8199.0 lumens
Efficiency: N/A
Efficacy: 108.0 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

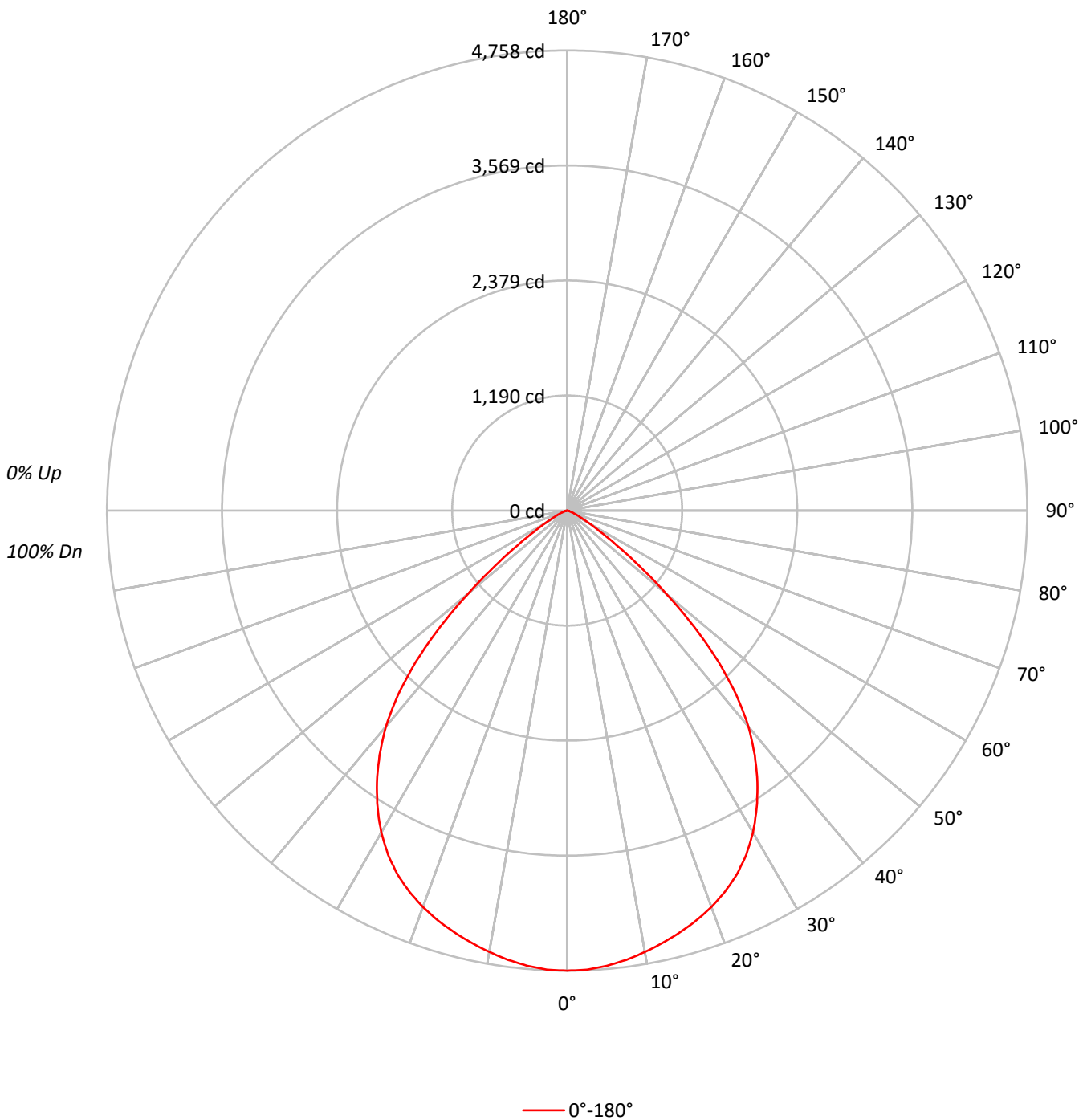
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250991

CATALOG NUMBER: LSR8B70D010 EC8B70840 8LBS0H

Luminous Intensity Polar Plot





TEST NUMBER: P250991

CATALOG NUMBER: LSR8B70D010 EC8B70840 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	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°	146722
5°	146236
10°	145125
15°	144102
20°	143127
25°	141241
30°	136879
35°	129150
40°	117372
45°	96577
50°	64370
55°	33536
60°	15807
65°	8289
70°	4138
75°	2883
80°	2149
85°	1698



TEST NUMBER: P250991

CATALOG NUMBER: LSR8B70D010 EC8B70840 8LBS0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.1	5.5
10°-20°	1274.0	15.5
20°-30°	1905.8	23.2
30°-40°	2131.7	26.0
40°-50°	1672.3	20.4
50°-60°	610.2	7.4
60°-70°	124.4	1.5
70°-80°	26.7	0.3
80°-90°	5.6	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°	3628.0	44.2
0°-40°	5759.7	70.2
0°-60°	8042.3	98.1
0°-90°	8199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8199.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4758	
5°	4724	448
15°	4514	1274
25°	4151	1906
35°	3431	2132
45°	2215	1672
55°	624	610
65°	114	124
75°	24	27
85°	5	6
90°	0	



TEST NUMBER: P250991

CATALOG NUMBER: LSR8B70D010 EC8B70840 8LBS0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	4758.1
2.5°	4750.8
5°	4724.3
7.5°	4685.6
10°	4634.8
12.5°	4576.8
15°	4513.9
17.5°	4443.8
20°	4361.6
22.5°	4264.9
25°	4151.2
27.5°	4011.0
30°	3844.2
32.5°	3648.4
35°	3430.8
37.5°	3186.6
40°	2915.8
42.5°	2594.2
45°	2214.6
47.5°	1786.7
50°	1341.8
52.5°	940.5
55°	623.8
57.5°	398.9
60°	256.3
62.5°	169.2
65°	113.6
67.5°	72.5
70°	45.9
72.5°	31.4
75°	24.2
77.5°	16.9
80°	12.1
82.5°	7.3
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)