

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: P251099

Luminaire Tested: **LSR8B70D010 EC8B70950 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251099
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: LSR8B70D010 EC8B70950 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7462.0 lumens
Efficiency: N/A
Efficacy: 98.3 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

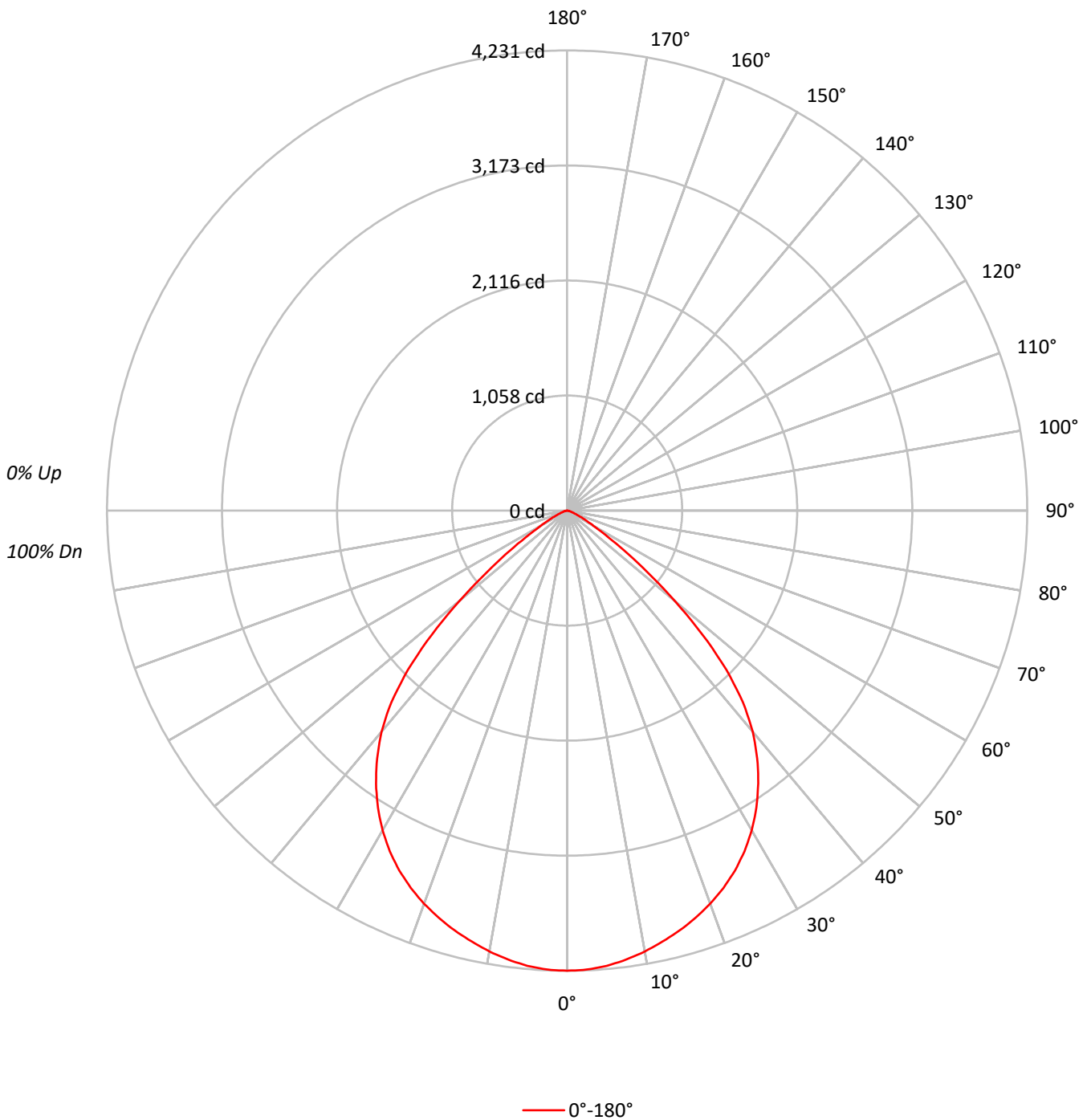
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251099

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBS0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P251099

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBS0W/MH

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	45	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°	130462
5°	130060
10°	128893
15°	127613
20°	126241
25°	124249
30°	120838
35°	115331
40°	106882
45°	90245
50°	61914
55°	34149
60°	17163
65°	9661
70°	5265
75°	3741
80°	2397
85°	1592



TEST NUMBER: P251099

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBS0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.3	5.3
10°-20°	1127.4	15.1
20°-30°	1678.5	22.5
30°-40°	1906.6	25.6
40°-50°	1558.5	20.9
50°-60°	610.7	8.2
60°-70°	142.3	1.9
70°-80°	34.3	0.5
80°-90°	5.5	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°	3204.1	42.9
0°-40°	5110.7	68.5
0°-60°	7279.9	97.6
0°-90°	7462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7462.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4231	
5°	4202	398
15°	3997	1127
25°	3652	1678
35°	3064	1907
45°	2069	1558
55°	635	611
65°	132	142
75°	31	34
85°	4	5
90°	0	



TEST NUMBER: P251099

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBS0WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4230.8
2.5°	4224.1
5°	4201.7
7.5°	4163.5
10°	4116.4
12.5°	4058.0
15°	3997.4
17.5°	3925.6
20°	3847.0
22.5°	3755.0
25°	3651.8
27.5°	3530.6
30°	3393.7
32.5°	3238.8
35°	3063.7
37.5°	2870.7
40°	2655.2
42.5°	2394.9
45°	2069.4
47.5°	1687.8
50°	1290.6
52.5°	927.0
55°	635.2
57.5°	415.2
60°	278.3
62.5°	190.8
65°	132.4
67.5°	87.5
70°	58.4
72.5°	40.4
75°	31.4
77.5°	22.4
80°	13.5
82.5°	6.7
85°	4.5
87.5°	2.2
90°	0.0

(END OF REPORT)