

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: P251001

Luminaire Tested: **LD8B70D010 ER8B70940 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251001
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: LD8B70D010 ER8B70940 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7351.0 lumens
Efficiency: N/A
Efficacy: 96.9 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

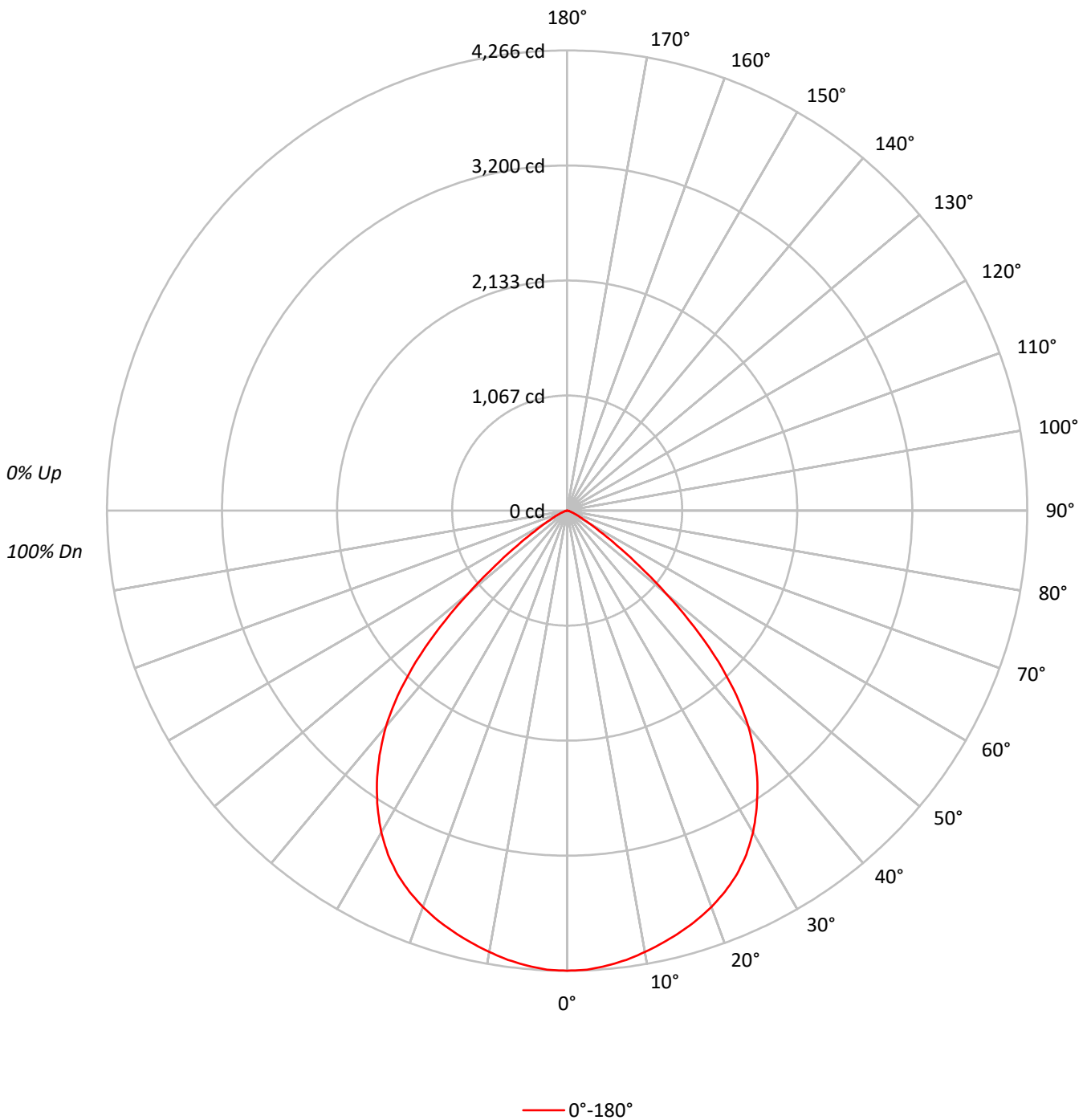
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251001

CATALOG NUMBER: LD8B70D010 ER8B70940 8LBS0H

Luminous Intensity Polar Plot





TEST NUMBER: P251001

CATALOG NUMBER: LD8B70D010 ER8B70940 8LBSOH

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°	131548
5°	131109
10°	130114
15°	129197
20°	128324
25°	126634
30°	122722
35°	115790
40°	105232
45°	86590
50°	57716
55°	30069
60°	14172
65°	7435
70°	3715
75°	2585
80°	1918
85°	1521



TEST NUMBER: P251001

CATALOG NUMBER: LD8B70D010 ER8B70940 8LBSOH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.8	5.5
10°-20°	1142.2	15.5
20°-30°	1708.7	23.2
30°-40°	1911.2	26.0
40°-50°	1499.4	20.4
50°-60°	547.1	7.4
60°-70°	111.5	1.5
70°-80°	24.0	0.3
80°-90°	5.0	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°	3252.8	44.2
0°-40°	5164.0	70.2
0°-60°	7210.5	98.1
0°-90°	7351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7351.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4266	
5°	4236	402
15°	4047	1142
25°	3722	1709
35°	3076	1911
45°	1986	1499
55°	559	547
65°	102	112
75°	22	24
85°	4	5
90°	0	



TEST NUMBER: P251001

CATALOG NUMBER: LD8B70D010 ER8B70940 8LBS0H

CANDELA DISTRIBUTION (FULL):

	0°
0°	4266.0
2.5°	4259.5
5°	4235.6
7.5°	4201.0
10°	4155.4
12.5°	4103.4
15°	4047.0
17.5°	3984.2
20°	3910.5
22.5°	3823.8
25°	3721.9
27.5°	3596.2
30°	3446.6
32.5°	3271.0
35°	3075.9
37.5°	2857.0
40°	2614.2
42.5°	2325.9
45°	1985.6
47.5°	1601.9
50°	1203.1
52.5°	843.2
55°	559.3
57.5°	357.7
60°	229.8
62.5°	151.7
65°	101.9
67.5°	65.0
70°	41.2
72.5°	28.2
75°	21.7
77.5°	15.2
80°	10.8
82.5°	6.5
85°	4.3
87.5°	2.2
90°	0.0

(END OF REPORT)