

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: P249944

Luminaire Tested: **LD8B200D010 ER8B2009727 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B2009727 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14609.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

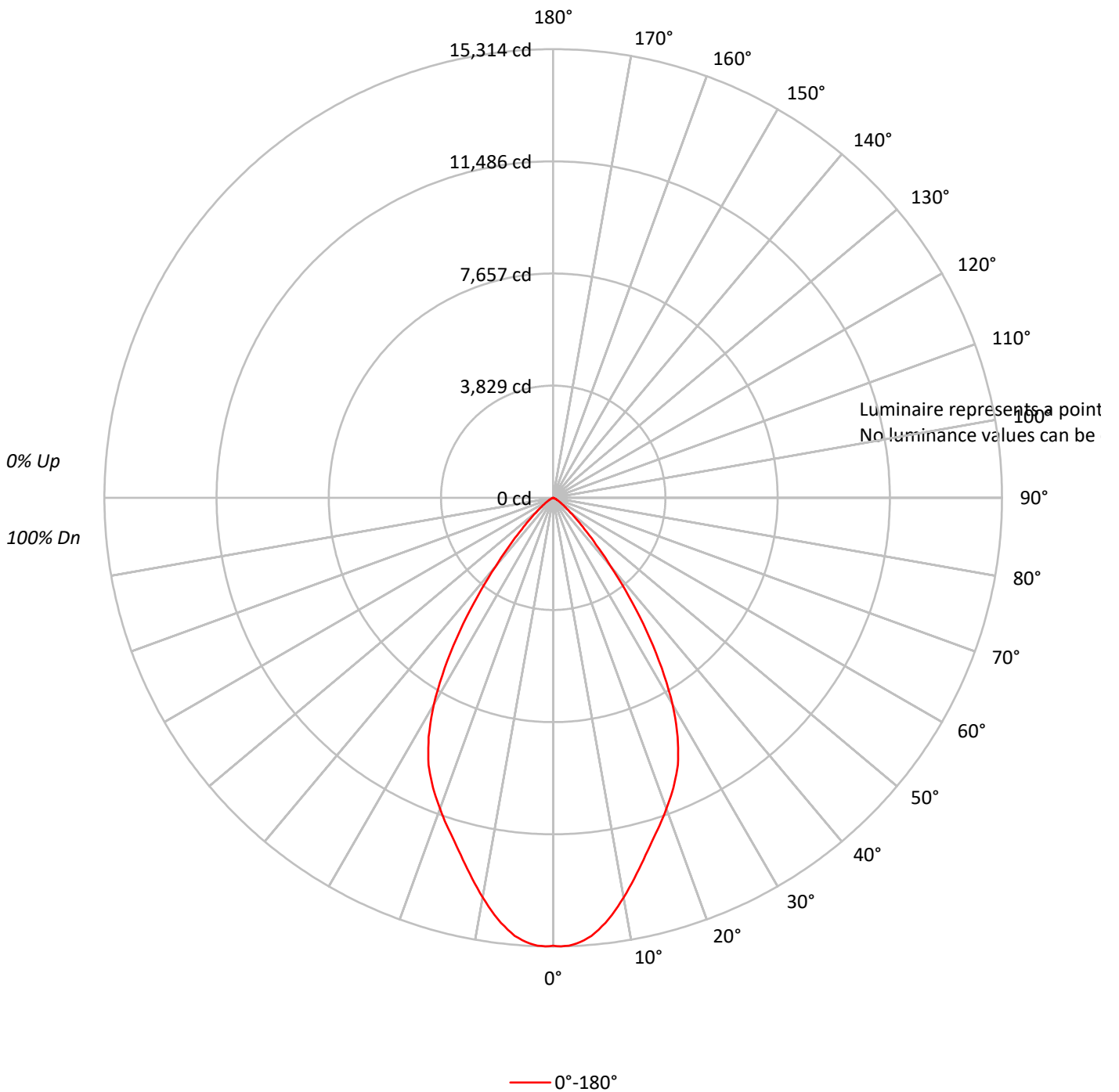
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101		100	99	98		97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76		83	79	76		81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60		68	64	60		67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56		64	60	56		63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53		61	56	52		60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49		57	53	49		57	52	49	48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1394.0	9.5
10°-20°	3507.4	24.0
20°-30°	4553.3	31.2
30°-40°	3436.7	23.5
40°-50°	1257.5	8.6
50°-60°	351.5	2.4
60°-70°	92.4	0.6
70°-80°	15.6	0.1
80°-90°	0.6	0.0
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°	9454.7	64.7
0°-40°	12891.4	88.2
0°-60°	14500.4	99.3
0°-90°	14609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14609.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15291	
5°	15008	###
15°	12466	3507
25°	10065	4553
35°	5550	3437
45°	1508	1258
55°	360	352
65°	87	92
75°	14	16
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15290.9
1°	15313.7
2°	15295.5
3°	15236.3
4°	15136.0
5°	15008.4
6°	14821.6
7°	14616.6
8°	14379.7
9°	14120.0
10°	13846.6
11°	13573.2
12°	13290.7
13°	13003.7
14°	12730.3
15°	12466.0
16°	12215.4
17°	11974.0
18°	11755.3
19°	11527.4
20°	11295.1
22.5°	10716.4
25°	10064.9
27.5°	9203.7
30°	8155.8
32.5°	6893.7
35°	5549.6
37.5°	4237.4
40°	3057.3
42.5°	2164.2
45°	1508.1
47.5°	1061.6
50°	715.3
52.5°	524.0
55°	359.9
57.5°	259.7
60°	173.1
62.5°	127.6
65°	86.6
67.5°	59.2
70°	31.9
72.5°	22.8
75°	13.7
77.5°	4.6
80°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)