

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: P249860

Luminaire Tested: **LD8B200D010 ER8B2009727 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B2009727 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13206.0 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

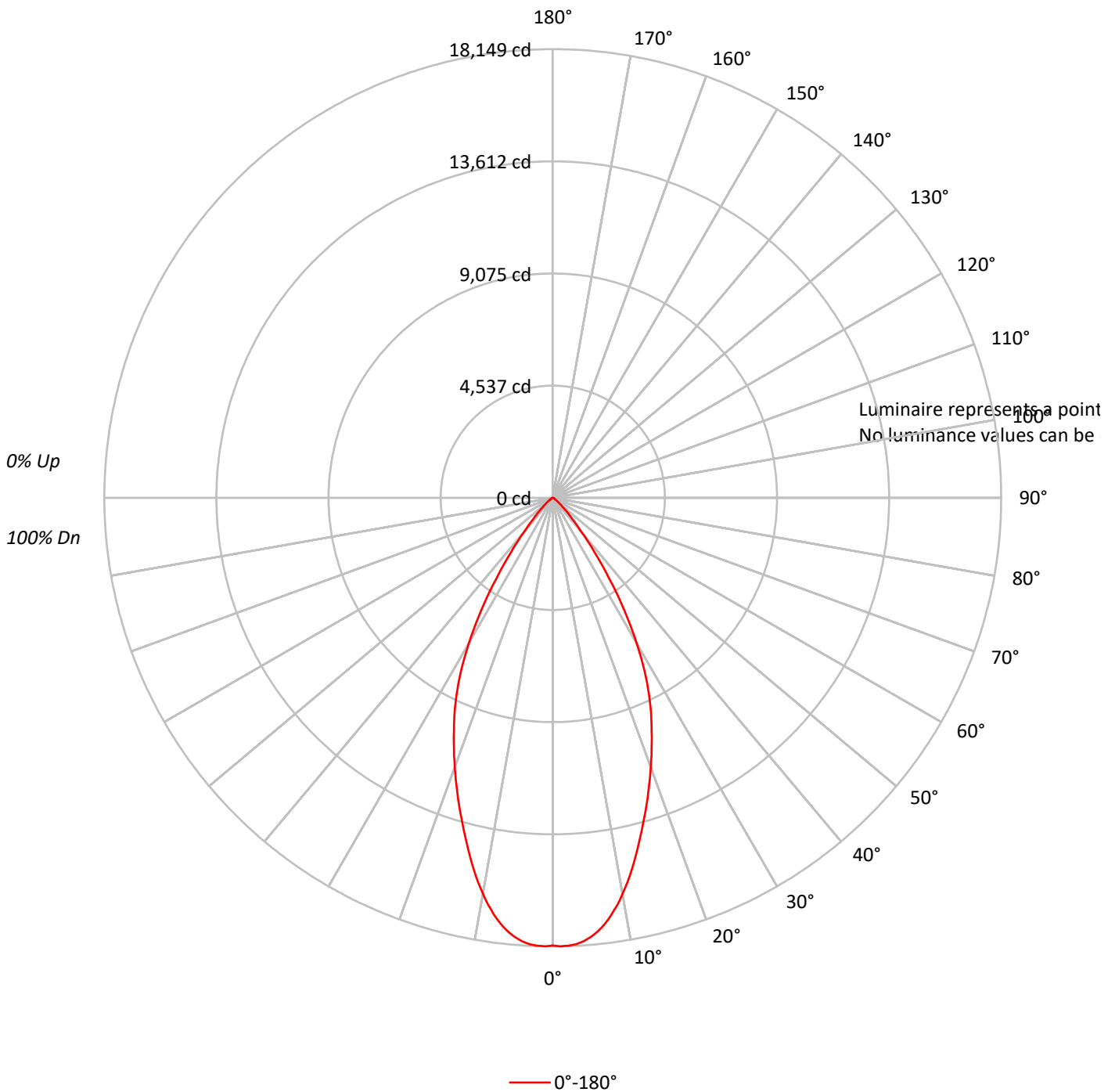
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1651.7	12.5
10°-20°	3877.7	29.4
20°-30°	4238.1	32.1
30°-40°	2522.0	19.1
40°-50°	691.8	5.2
50°-60°	156.7	1.2
60°-70°	48.4	0.4
70°-80°	14.7	0.1
80°-90°	4.9	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°	9767.5	74.0
0°-40°	12289.5	93.1
0°-60°	13138.0	99.5
0°-90°	13206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13206.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18113	
5°	17822	###
15°	13916	3878
25°	9363	4238
35°	3991	2522
45°	809	692
55°	156	157
65°	49	48
75°	13	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18112.9
1°	18148.6
2°	18126.3
3°	18081.6
4°	17978.8
5°	17822.4
6°	17621.3
7°	17353.2
8°	17040.3
9°	16678.3
10°	16271.7
11°	15838.2
12°	15373.4
13°	14895.2
14°	14399.1
15°	13916.5
16°	13442.8
17°	12978.0
18°	12513.2
19°	12048.4
20°	11597.1
22.5°	10461.9
25°	9362.6
27.5°	8151.5
30°	6806.3
32.5°	5362.8
35°	3990.8
37.5°	2775.3
40°	1841.2
42.5°	1206.6
45°	808.9
47.5°	536.3
50°	357.5
52.5°	219.0
55°	156.4
57.5°	111.7
60°	84.9
62.5°	62.6
65°	49.2
67.5°	31.3
70°	22.3
72.5°	17.9
75°	13.4
77.5°	8.9
80°	8.9



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	4.5
85°	4.5
87.5°	4.5
90°	0.0

(END OF REPORT)