

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: P249942

Luminaire Tested: **LSR8B150D010 EC8B1509727 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249942
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: LSR8B150D010 EC8B1509727 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10977.0 lumens
Efficiency: N/A
Efficacy: 69.3 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

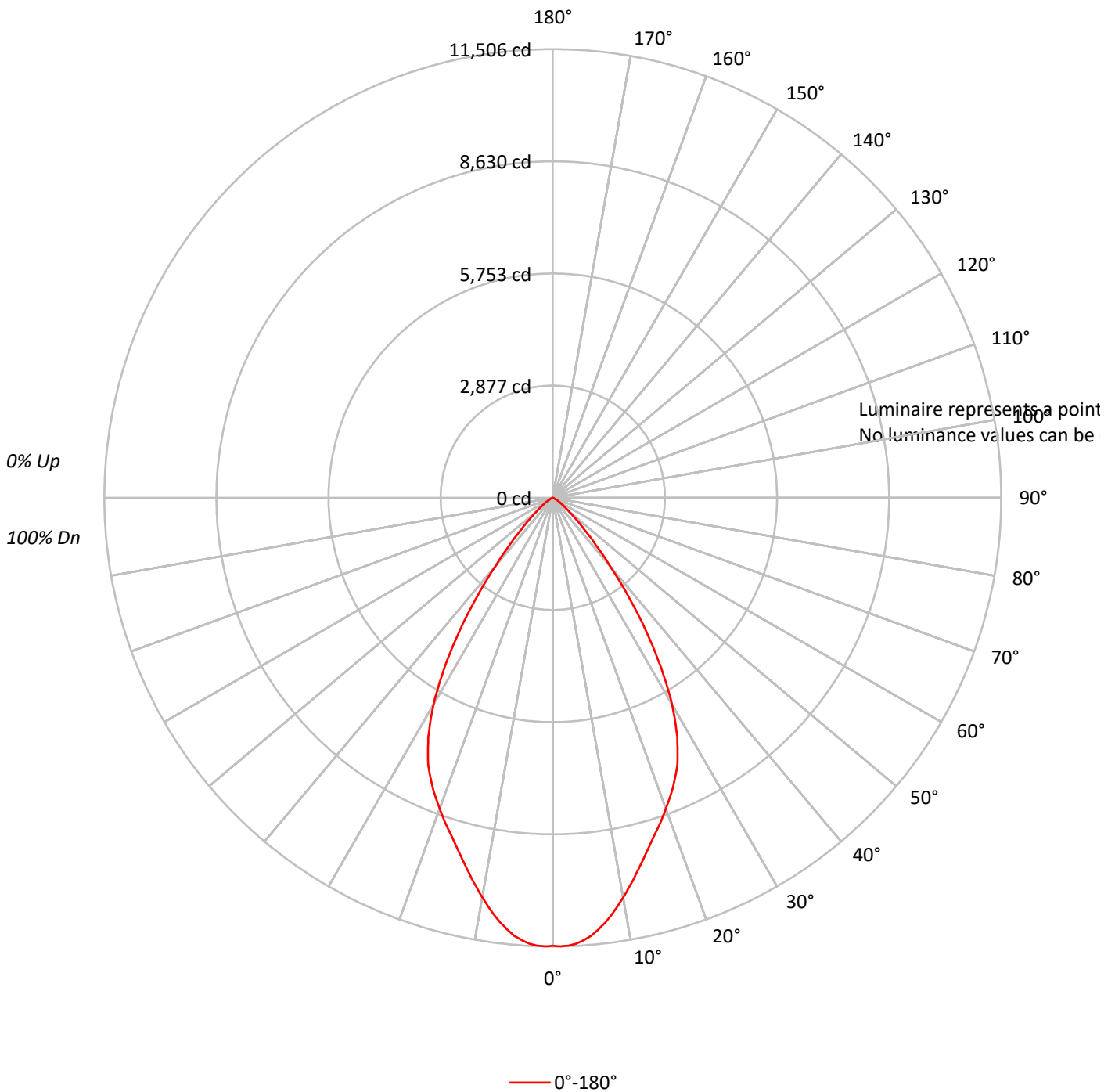
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	101	101	100	99	98	98	97	96	95	95	93
2	107	102	98	94	105	100	97	93	97	94	91	91	94	92	89	89	91	89	87	87	86
3	101	95	90	85	99	93	89	85	91	87	83	83	88	85	82	82	86	83	81	81	79
4	96	88	82	78	94	87	82	77	85	80	76	76	83	79	76	76	81	77	75	75	73
5	91	82	76	71	89	81	75	71	79	74	70	70	78	73	70	70	76	72	69	69	68
6	86	77	70	66	84	76	70	66	74	69	65	65	73	68	65	65	71	67	64	64	63
7	81	72	65	61	80	71	65	61	70	64	60	60	68	64	60	60	67	63	60	60	58
8	77	67	61	57	76	67	61	56	65	60	56	56	64	60	56	56	63	59	56	56	54
9	73	63	57	53	72	63	57	53	62	56	53	53	61	56	52	52	60	55	52	52	51
10	70	60	53	49	69	59	53	49	58	53	49	49	57	53	49	49	57	52	49	49	48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1047.4	9.5
10°-20°	2635.4	24.0
20°-30°	3421.3	31.2
30°-40°	2582.3	23.5
40°-50°	944.9	8.6
50°-60°	264.1	2.4
60°-70°	69.4	0.6
70°-80°	11.7	0.1
80°-90°	0.5	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°	7104.1	64.7
0°-40°	9686.4	88.2
0°-60°	10895.5	99.3
0°-90°	10977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10977.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11489	
5°	11277	###
15°	9367	2635
25°	7563	3421
35°	4170	2582
45°	1133	945
55°	270	264
65°	65	69
75°	10	12
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11489.4
1°	11506.5
2°	11492.8
3°	11448.3
4°	11373.0
5°	11277.1
6°	11136.8
7°	10982.7
8°	10804.7
9°	10609.5
10°	10404.1
11°	10198.7
12°	9986.5
13°	9770.8
14°	9565.4
15°	9366.8
16°	9178.5
17°	8997.1
18°	8832.7
19°	8661.6
20°	8487.0
22.5°	8052.2
25°	7562.6
27.5°	6915.6
30°	6128.1
32.5°	5179.8
35°	4169.9
37.5°	3183.9
40°	2297.2
42.5°	1626.2
45°	1133.2
47.5°	797.7
50°	537.5
52.5°	393.7
55°	270.5
57.5°	195.1
60°	130.1
62.5°	95.9
65°	65.0
67.5°	44.5
70°	24.0
72.5°	17.1
75°	10.3
77.5°	3.4
80°	3.4



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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)