

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: P250026

Luminaire Tested: **LSR8B150D010 EC8B1509727 8LBNOWMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B1509727 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9666.0 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

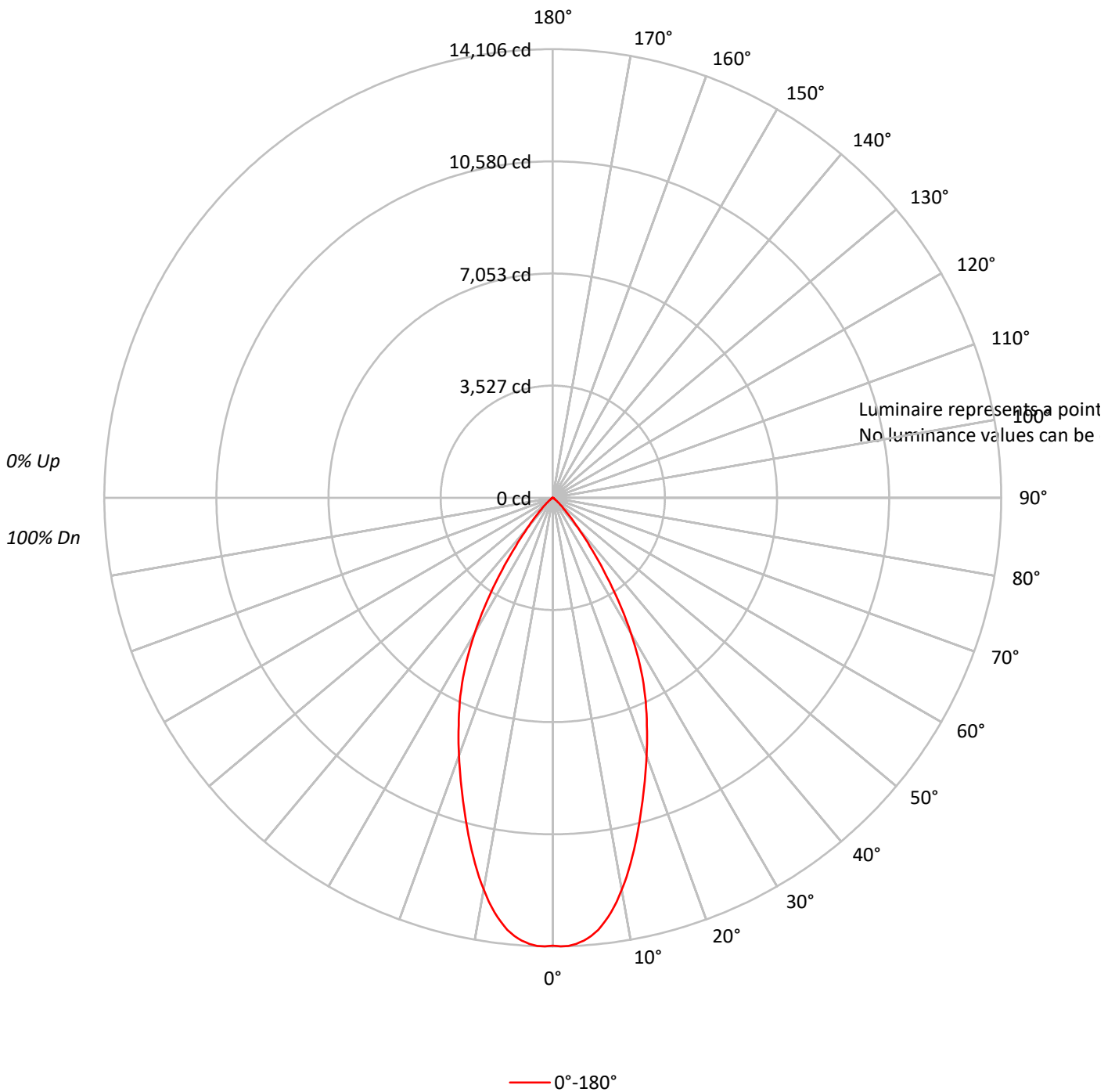
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1277.8	13.2
10°-20°	2931.8	30.3
20°-30°	3114.7	32.2
30°-40°	1777.1	18.4
40°-50°	440.6	4.6
50°-60°	86.6	0.9
60°-70°	26.1	0.3
70°-80°	6.2	0.1
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°	7324.3	75.8
0°-40°	9101.4	94.2
0°-60°	9628.6	99.6
0°-90°	9666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9666.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14079	
5°	13830	###
15°	10533	2932
25°	6876	3115
35°	2779	1777
45°	498	441
55°	81	87
65°	20	26
75°	0	6
85°	7	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14078.7
1°	14105.7
2°	14095.6
3°	14045.2
4°	13957.7
5°	13829.8
6°	13661.7
7°	13429.5
8°	13163.7
9°	12851.0
10°	12507.7
11°	12144.5
12°	11754.2
13°	11357.2
14°	10950.2
15°	10533.0
16°	10139.4
17°	9742.5
18°	9369.0
19°	8988.9
20°	8629.0
22.5°	7737.4
25°	6876.2
27.5°	5951.2
30°	4928.5
32.5°	3831.7
35°	2778.7
37.5°	1914.1
40°	1238.1
42.5°	783.9
45°	497.9
47.5°	326.4
50°	205.2
52.5°	124.5
55°	80.7
57.5°	64.0
60°	40.3
62.5°	37.0
65°	20.2
67.5°	20.2
70°	16.9
72.5°	10.1
75°	0.0
77.5°	3.4
80°	3.4



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	6.7
85°	6.7
87.5°	3.4
90°	0.0

(END OF REPORT)