

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: P249949

Luminaire Tested: **LSR8B150D010 EC8B1509730 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249949
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 EC8B1509730 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11614.1 lumens
Efficiency: N/A
Efficacy: 73.3 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

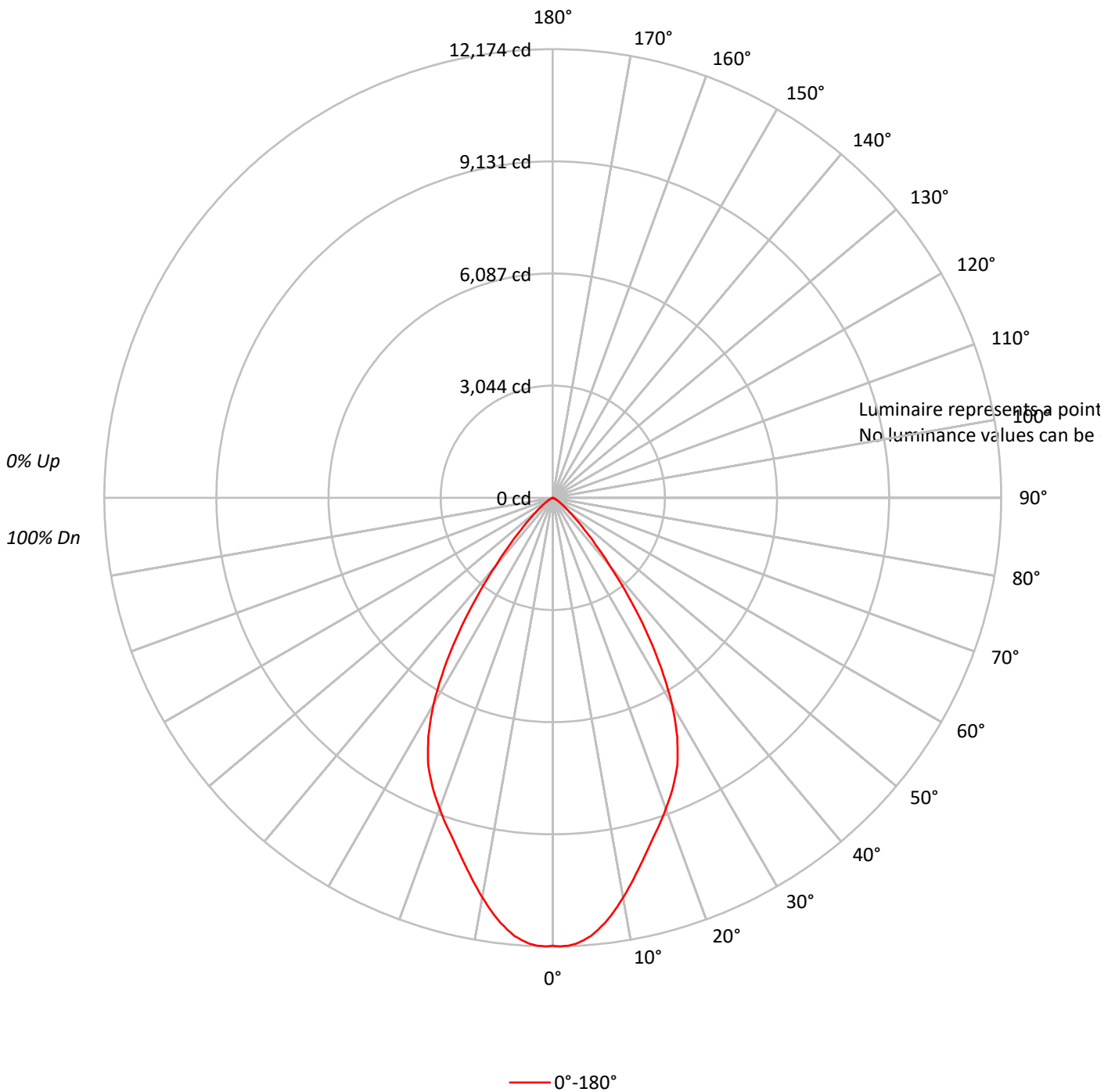
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1108.2	9.5
10°-20°	2788.3	24.0
20°-30°	3619.8	31.2
30°-40°	2732.2	23.5
40°-50°	999.7	8.6
50°-60°	279.5	2.4
60°-70°	73.4	0.6
70°-80°	12.4	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°	7516.4	64.7
0°-40°	10248.5	88.2
0°-60°	11527.8	99.3
0°-90°	11614.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11614.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12156	
5°	11932	###
15°	9910	2788
25°	8002	3620
35°	4412	2732
45°	1199	1000
55°	286	279
65°	69	73
75°	11	12
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12156.1
1°	12174.2
2°	12159.8
3°	12112.7
4°	12033.0
5°	11931.6
6°	11783.0
7°	11620.0
8°	11431.7
9°	11225.2
10°	11007.9
11°	10790.6
12°	10566.0
13°	10337.8
14°	10120.5
15°	9910.4
16°	9711.1
17°	9519.2
18°	9345.3
19°	9164.2
20°	8979.5
22.5°	8519.4
25°	8001.5
27.5°	7316.9
30°	6483.8
32.5°	5480.4
35°	4411.9
37.5°	3368.7
40°	2430.5
42.5°	1720.5
45°	1199.0
47.5°	844.0
50°	568.7
52.5°	416.6
55°	286.2
57.5°	206.5
60°	137.6
62.5°	101.4
65°	68.8
67.5°	47.1
70°	25.4
72.5°	18.1
75°	10.9
77.5°	3.6
80°	3.6



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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)