

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: P250292

Luminaire Tested: **LSR8B150D010 EC8B150827 8LBN0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13948)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150827 8LBN0GPH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11934.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.77
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

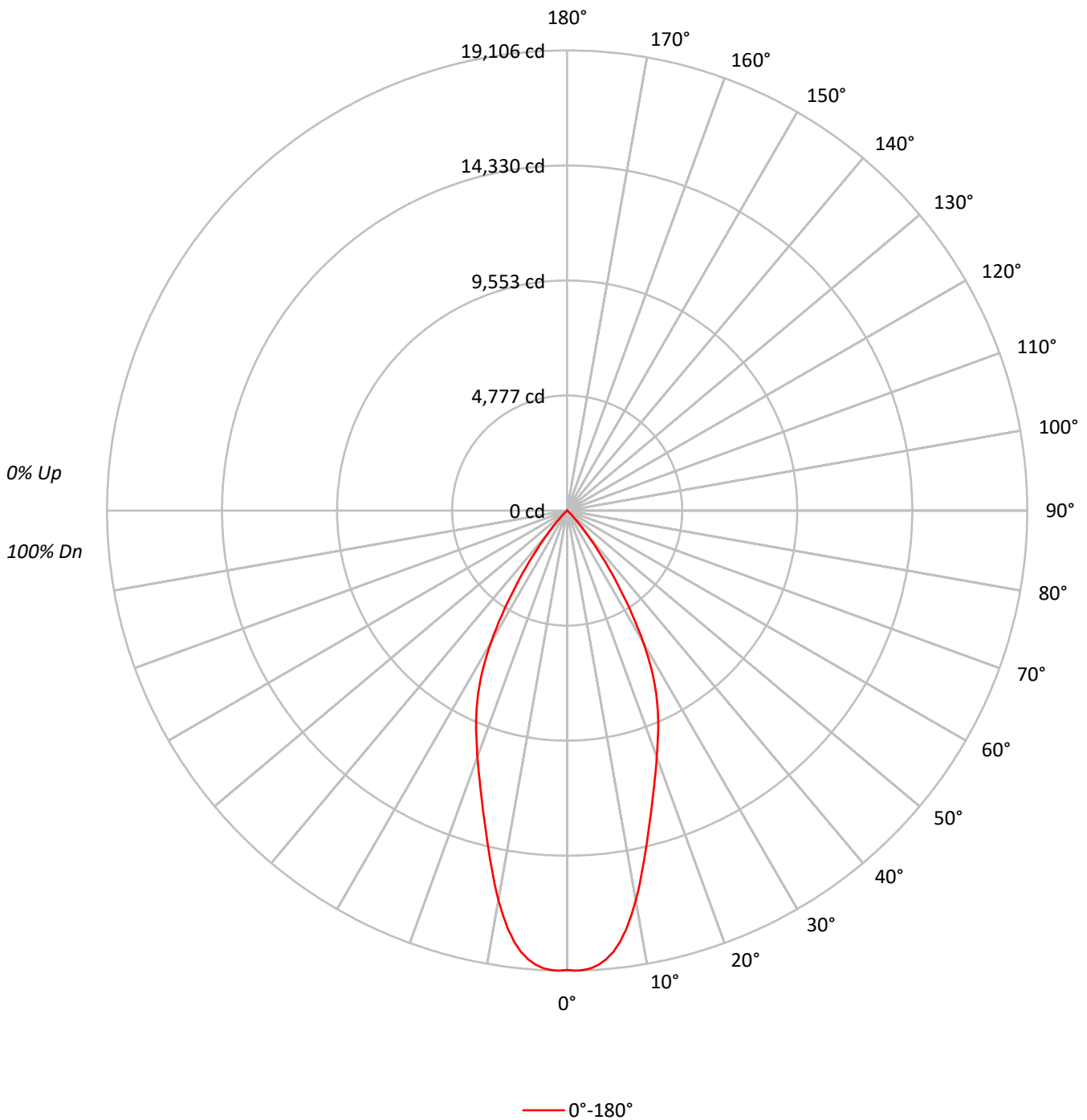
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	105	105	104	102		101	100	99		98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72		79	75	71		77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74	70	67	66
8	83	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	588030
5°	578634
10°	514103
15°	424089
20°	357169
25°	301253
30°	225561
35°	127651
40°	50474
45°	13549
50°	2595
55°	0
60°	376
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1711.8	14.3
10°-20°	3720.6	31.2
20°-30°	3994.4	33.5
30°-40°	2158.8	18.1
40°-50°	336.8	2.8
50°-60°	9.2	0.1
60°-70°	2.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	9426.8	79.0
0°-40°	11585.7	97.1
0°-60°	11931.7	100.0
0°-90°	11934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11934.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19069	
5°	18693	###
15°	13284	3721
25°	8854	3994
35°	3391	2159
45°	311	337
55°	0	9
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19069.4
1°	19105.5
2°	19087.6
3°	19022.2
4°	18896.7
5°	18693.3
6°	18413.2
7°	18036.5
8°	17564.9
9°	17022.2
10°	16418.7
11°	15785.7
12°	15128.9
13°	14472.8
14°	13863.2
15°	13284.3
16°	12752.8
17°	12239.3
18°	11761.7
19°	11314.4
20°	10884.2
21°	10466.1
22°	10071.8
23°	9678.3
24°	9266.4
25°	8854.1
26°	8436.0
27°	7958.7
28°	7433.0
29°	6896.3
30°	6334.8
31°	5731.8
32°	5128.3
33°	4531.5
34°	3928.6
35°	3391.0
37.5°	2167.2
40°	1253.9
42.5°	668.9
45°	310.7
47.5°	167.5
50°	54.1
52.5°	6.1
55°	0.0
57.5°	6.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	6.1
62.5°	0.0
65°	0.0
67.5°	6.1
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)