

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: P250425

Luminaire Tested: **LSR8B150D010 EC8B150935 8LBN0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250425
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 EC8B150935 8LBN0B
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7883.0 lumens
Efficiency: N/A
Efficacy: 49.7 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

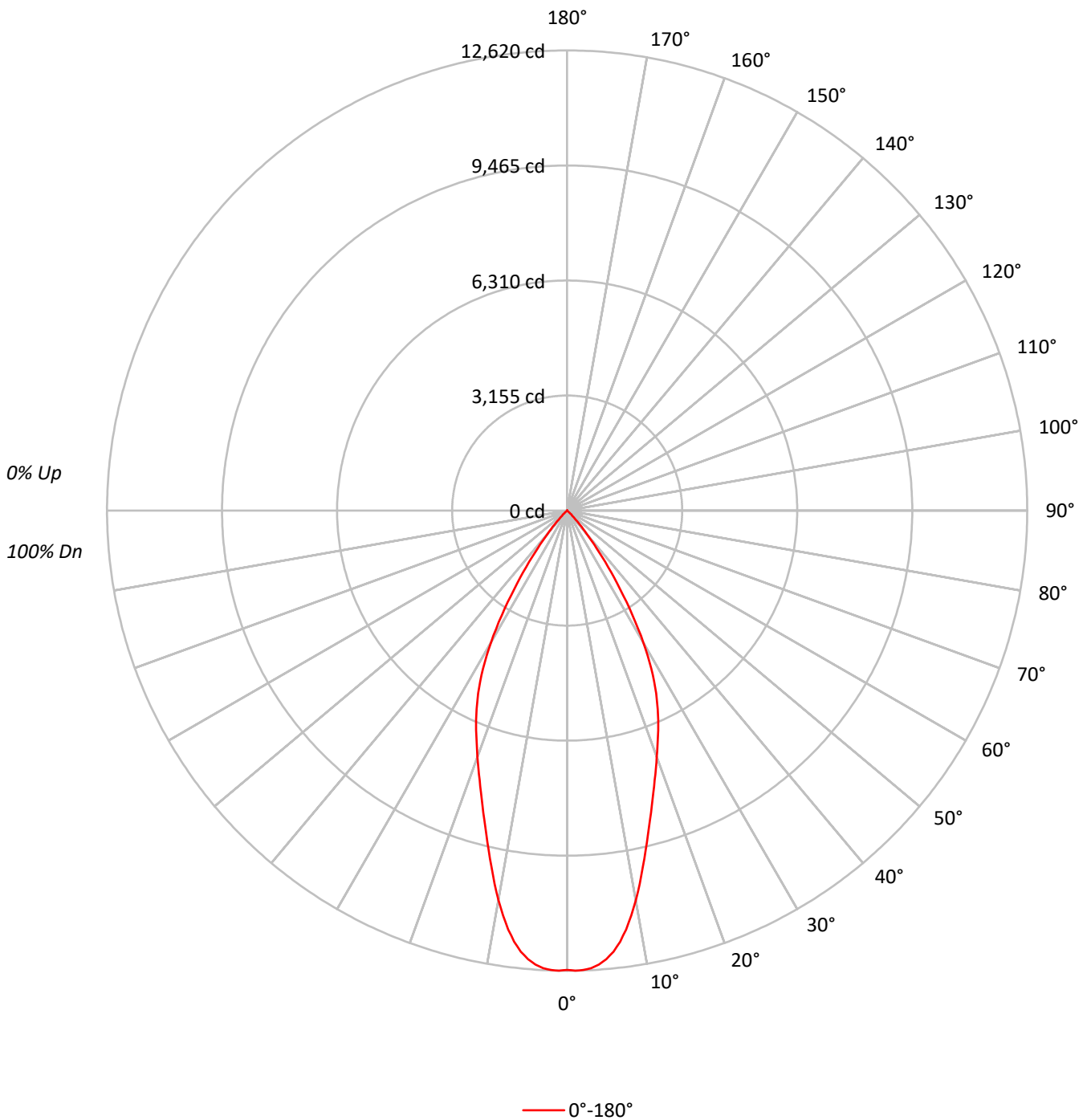
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	388423
5°	382215
10°	339591
15°	280131
20°	235926
25°	198993
30°	148993
35°	84319
40°	33338
45°	8953
50°	1713
55°	0
60°	247
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1130.8	14.3
10°-20°	2457.7	31.2
20°-30°	2638.5	33.5
30°-40°	1426.0	18.1
40°-50°	222.5	2.8
50°-60°	6.1	0.1
60°-70°	1.5	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°	6226.9	79.0
0°-40°	7652.9	97.1
0°-60°	7881.5	100.0
0°-90°	7883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7883.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12596	
5°	12348	###
15°	8775	2458
25°	5849	2638
35°	2240	1426
45°	205	222
55°	0	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12596.3
1°	12620.2
2°	12608.3
3°	12565.1
4°	12482.2
5°	12347.8
6°	12162.9
7°	11914.0
8°	11602.5
9°	11244.0
10°	10845.4
11°	10427.2
12°	9993.4
13°	9560.0
14°	9157.3
15°	8774.9
16°	8423.9
17°	8084.7
18°	7769.2
19°	7473.7
20°	7189.5
21°	6913.4
22°	6652.9
23°	6393.0
24°	6120.9
25°	5848.6
26°	5572.4
27°	5257.1
28°	4909.8
29°	4555.4
30°	4184.4
31°	3786.2
32°	3387.5
33°	2993.3
34°	2595.0
35°	2239.9
37.5°	1431.6
40°	828.2
42.5°	441.8
45°	205.3
47.5°	110.7
50°	35.7
52.5°	4.0
55°	0.0
57.5°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	4.0
62.5°	0.0
65°	0.0
67.5°	4.0
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)