

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: P249893

Luminaire Tested: **LSR8B150D010 EC8B150840 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249893
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 EC8B150840 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15662.0 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

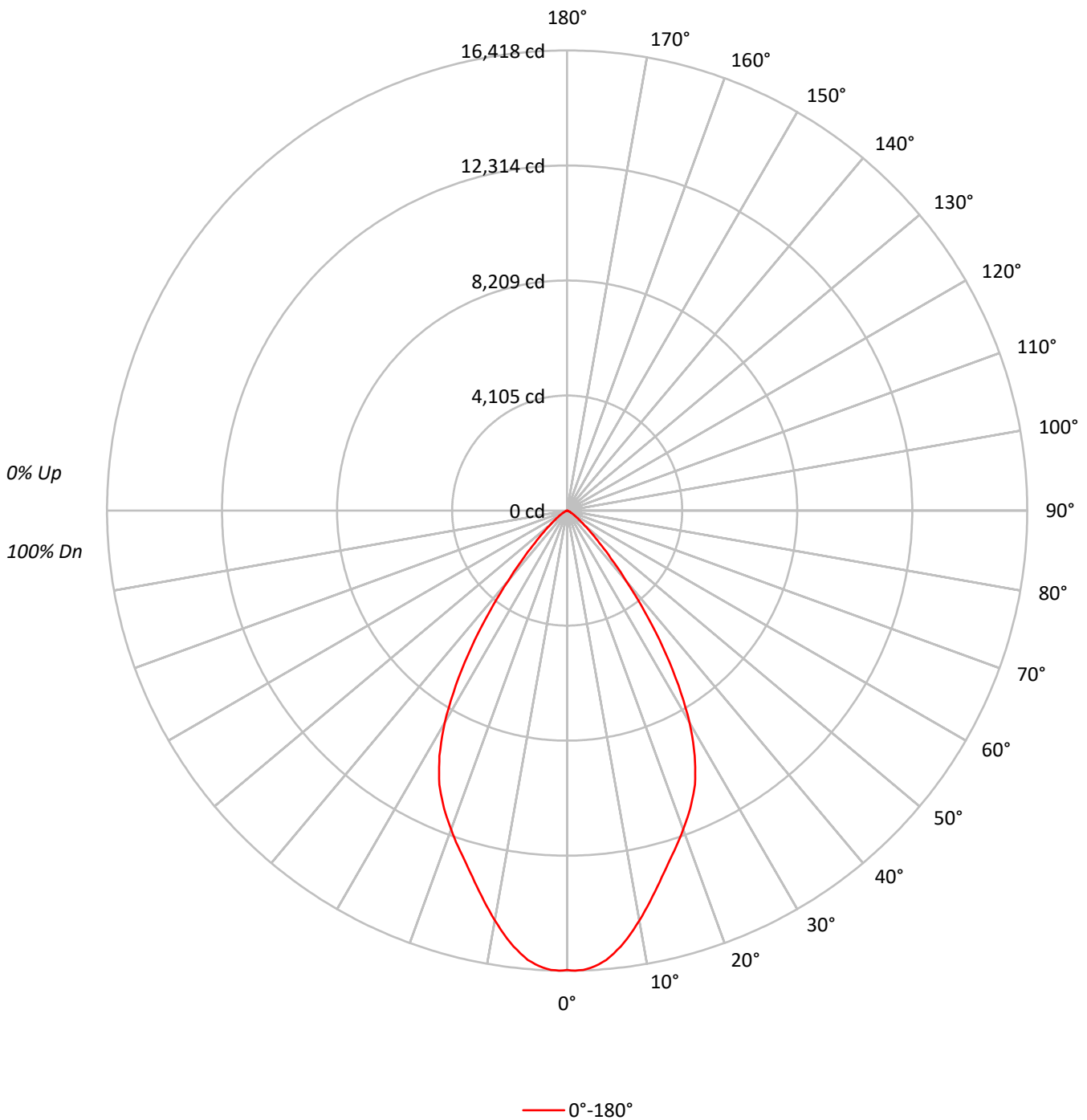
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):

	0°
0°	505503
5°	498058
10°	464814
15°	426653
20°	397367
25°	367130
30°	311331
35°	223968
40°	131936
45°	70507
50°	36790
55°	20747
60°	11446
65°	6771
70°	3083
75°	1751
80°	870
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1494.5	9.5
10°-20°	3760.2	24.0
20°-30°	4881.5	31.2
30°-40°	3684.4	23.5
40°-50°	1348.1	8.6
50°-60°	376.8	2.4
60°-70°	99.1	0.6
70°-80°	16.7	0.1
80°-90°	0.7	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°	10136.1	64.7
0°-40°	13820.6	88.2
0°-60°	15545.6	99.3
0°-90°	15662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15662.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16393	
5°	16090	###
15°	13365	3760
25°	10790	4881
35°	5950	3684
45°	1617	1348
55°	386	377
65°	93	99
75°	15	17
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16393.1
1°	16417.5
2°	16398.0
3°	16334.5
4°	16227.0
5°	16090.2
6°	15890.0
7°	15670.2
8°	15416.1
9°	15137.7
10°	14844.6
11°	14551.6
12°	14248.7
13°	13941.0
14°	13647.9
15°	13364.6
16°	13095.9
17°	12837.0
18°	12602.6
19°	12358.3
20°	12109.2
22.5°	11488.8
25°	10790.3
27.5°	9867.1
30°	8743.6
32.5°	7390.6
35°	5949.6
37.5°	4542.8
40°	3277.6
42.5°	2320.2
45°	1616.8
47.5°	1138.1
50°	766.9
52.5°	561.7
55°	385.9
57.5°	278.4
60°	185.6
62.5°	136.8
65°	92.8
67.5°	63.5
70°	34.2
72.5°	24.4
75°	14.7
77.5°	4.9
80°	4.9



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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)