

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: P249935

Luminaire Tested: **LSR8B150D010 EC8B150950 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249935
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 EC8B150950 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14538.0 lumens
Efficiency: N/A
Efficacy: 91.7 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

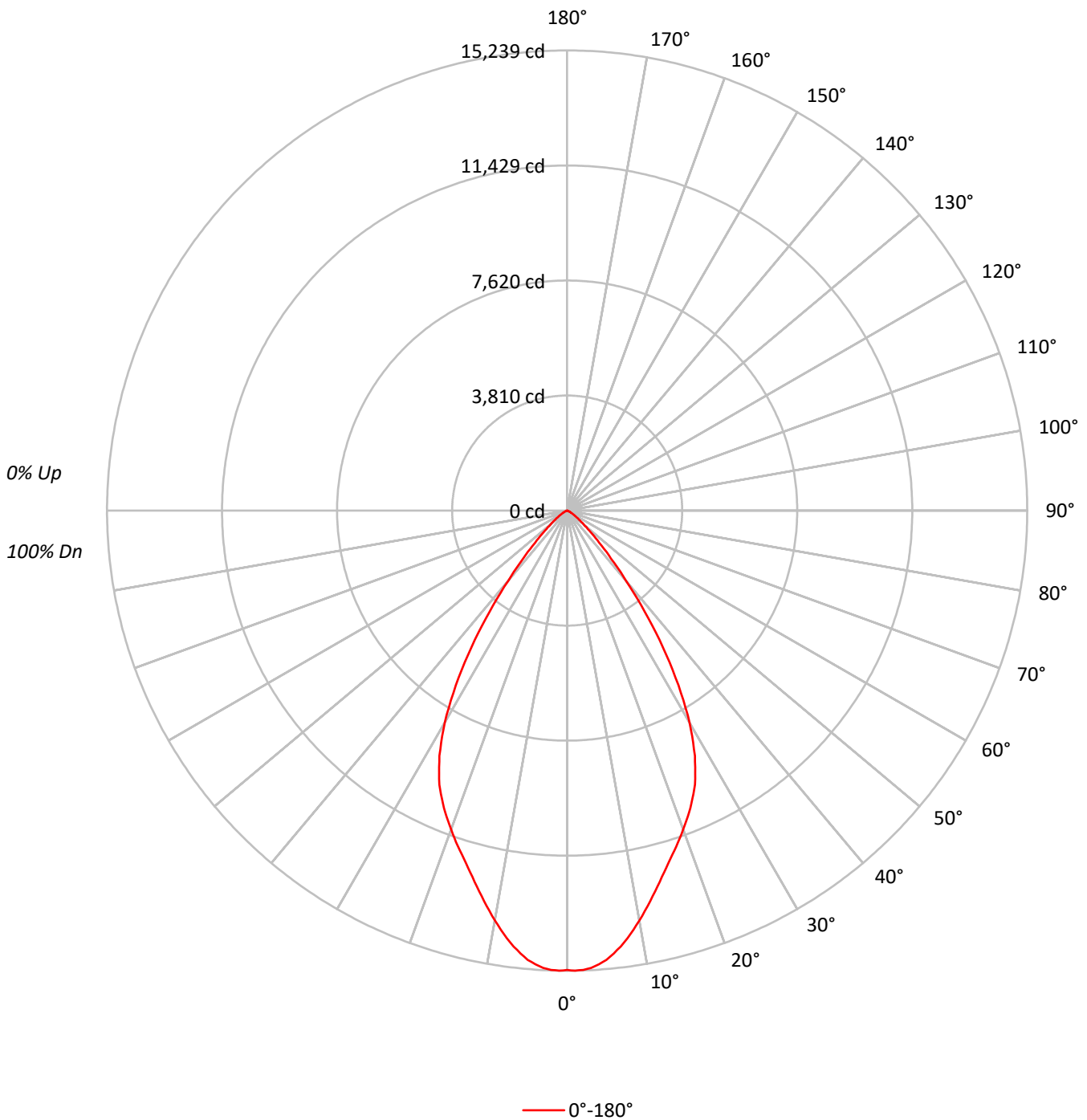
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	469224
5°	462315
10°	431458
15°	396031
20°	368851
25°	340782
30°	288988
35°	207894
40°	122469
45°	65449
50°	34152
55°	19257
60°	10626
65°	6282
70°	2858
75°	1620
80°	799
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1387.2	9.5
10°-20°	3490.3	24.0
20°-30°	4531.1	31.2
30°-40°	3420.0	23.5
40°-50°	1251.4	8.6
50°-60°	349.8	2.4
60°-70°	91.9	0.6
70°-80°	15.5	0.1
80°-90°	0.6	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°	9408.7	64.7
0°-40°	12828.7	88.2
0°-60°	14430.0	99.3
0°-90°	14538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14538.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15217	
5°	14936	###
15°	12405	3490
25°	10016	4531
35°	5523	3420
45°	1501	1251
55°	358	350
65°	86	92
75°	14	15
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15216.6
1°	15239.3
2°	15221.2
3°	15162.2
4°	15062.5
5°	14935.5
6°	14749.6
7°	14545.6
8°	14309.8
9°	14051.3
10°	13779.3
11°	13507.2
12°	13226.1
13°	12940.5
14°	12668.4
15°	12405.4
16°	12156.1
17°	11915.8
18°	11698.1
19°	11471.4
20°	11240.2
22.5°	10664.3
25°	10015.9
27.5°	9159.0
30°	8116.1
32.5°	6860.2
35°	5522.6
37.5°	4216.8
40°	3042.4
42.5°	2153.7
45°	1500.8
47.5°	1056.5
50°	711.9
52.5°	521.4
55°	358.2
57.5°	258.4
60°	172.3
62.5°	127.0
65°	86.1
67.5°	58.9
70°	31.7
72.5°	22.7
75°	13.6
77.5°	4.5
80°	4.5



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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)