

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: P248003

Luminaire Tested: **LSR8B150D010 EC8B150935 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150935 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13514.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

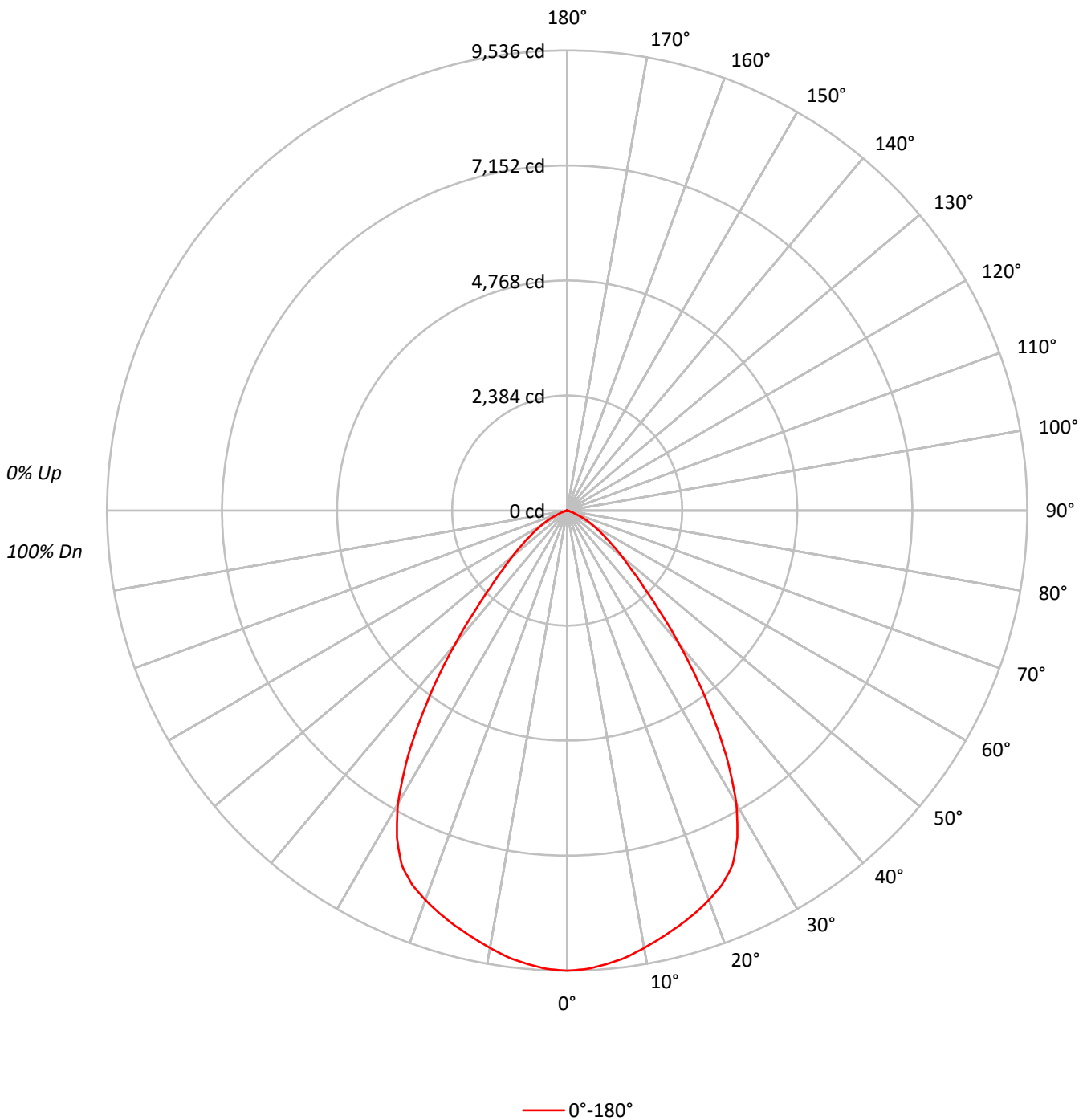
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	294058
5°	292064
10°	288180
15°	284638
20°	281838
25°	275942
30°	249635
35°	200805
40°	145244
45°	98147
50°	71431
55°	52267
60°	38761
65°	25822
70°	11459
75°	5183
80°	3640
85°	4210



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	893.6	6.6
10°-20°	2516.5	18.6
20°-30°	3675.0	27.2
30°-40°	3305.1	24.5
40°-50°	1807.6	13.4
50°-60°	896.1	6.6
60°-70°	353.9	2.6
70°-80°	57.0	0.4
80°-90°	9.3	0.1
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°	7085.1	52.4
0°-40°	10390.2	76.9
0°-60°	13093.8	96.9
0°-90°	13514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13514.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9536	
5°	9435	894
15°	8916	2517
25°	8110	3675
35°	5334	3305
45°	2251	1808
55°	972	896
65°	354	354
75°	44	57
85°	12	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9536.1
2.5°	9509.6
5°	9435.4
7.5°	9339.1
10°	9203.5
12.5°	9059.4
15°	8916.1
17.5°	8762.6
20°	8588.6
22.5°	8389.9
25°	8110.2
27.5°	7639.4
30°	7010.9
32.5°	6218.7
35°	5334.3
37.5°	4451.6
40°	3608.2
42.5°	2848.4
45°	2250.6
47.5°	1803.7
50°	1489.0
52.5°	1211.8
55°	972.2
57.5°	785.4
60°	628.5
62.5°	497.2
65°	353.9
67.5°	210.6
70°	127.1
72.5°	71.6
75°	43.5
77.5°	28.1
80°	20.5
82.5°	6.8
85°	11.9
87.5°	5.1
90°	0.0

(END OF REPORT)