

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: P247988

Luminaire Tested: **LSR8B150D010 EC8B150835 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247988
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 EC8B150835 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15847.0 lumens
Efficiency: N/A
Efficacy: 100.0 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

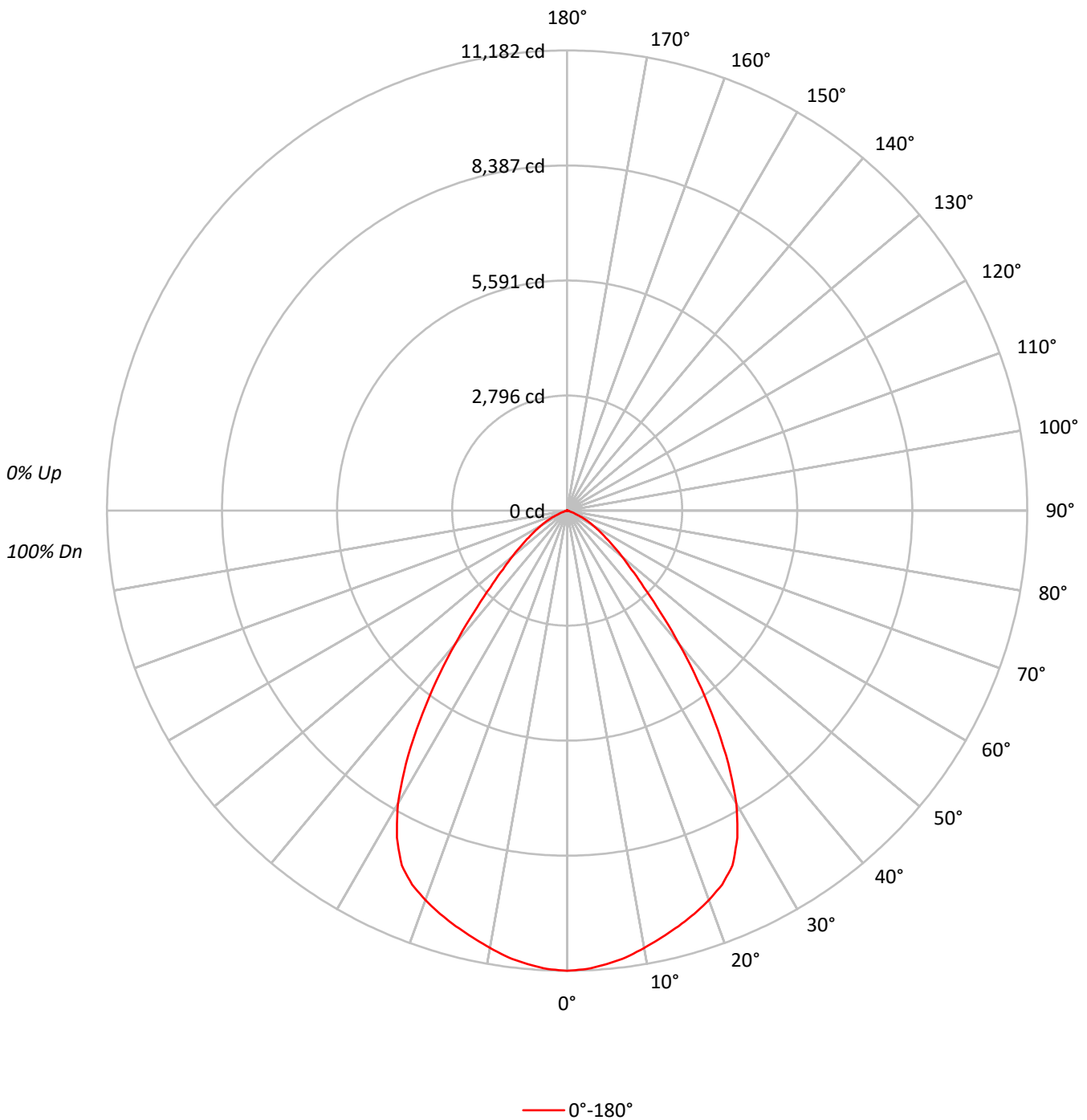
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	344821
5°	342485
10°	337929
15°	333776
20°	330493
25°	323579
30°	292730
35°	235472
40°	170318
45°	115089
50°	83765
55°	61288
60°	45453
65°	30280
70°	13434
75°	6076
80°	4262
85°	4953



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1047.8	6.6
10°-20°	2951.0	18.6
20°-30°	4309.4	27.2
30°-40°	3875.7	24.5
40°-50°	2119.6	13.4
50°-60°	1050.8	6.6
60°-70°	415.0	2.6
70°-80°	66.9	0.4
80°-90°	10.9	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°	8308.2	52.4
0°-40°	12183.9	76.9
0°-60°	15354.3	96.9
0°-90°	15847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15847.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11182	
5°	11064	###
15°	10455	2951
25°	9510	4309
35°	6255	3876
45°	2639	2120
55°	1140	1051
65°	415	415
75°	51	67
85°	14	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11182.3
2.5°	11151.3
5°	11064.3
7.5°	10951.3
10°	10792.3
12.5°	10623.3
15°	10455.3
17.5°	10275.3
20°	10071.3
22.5°	9838.3
25°	9510.3
27.5°	8958.3
30°	8221.2
32.5°	7292.2
35°	6255.2
37.5°	5220.2
40°	4231.1
42.5°	3340.1
45°	2639.1
47.5°	2115.1
50°	1746.1
52.5°	1421.0
55°	1140.0
57.5°	921.0
60°	737.0
62.5°	583.0
65°	415.0
67.5°	247.0
70°	149.0
72.5°	84.0
75°	51.0
77.5°	33.0
80°	24.0
82.5°	8.0
85°	14.0
87.5°	6.0
90°	0.0

(END OF REPORT)