

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: P247994

Luminaire Tested: **LSR8B150D010 EC8B150850 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247994
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 EC8B150850 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16052.0 lumens
Efficiency: N/A
Efficacy: 101.3 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

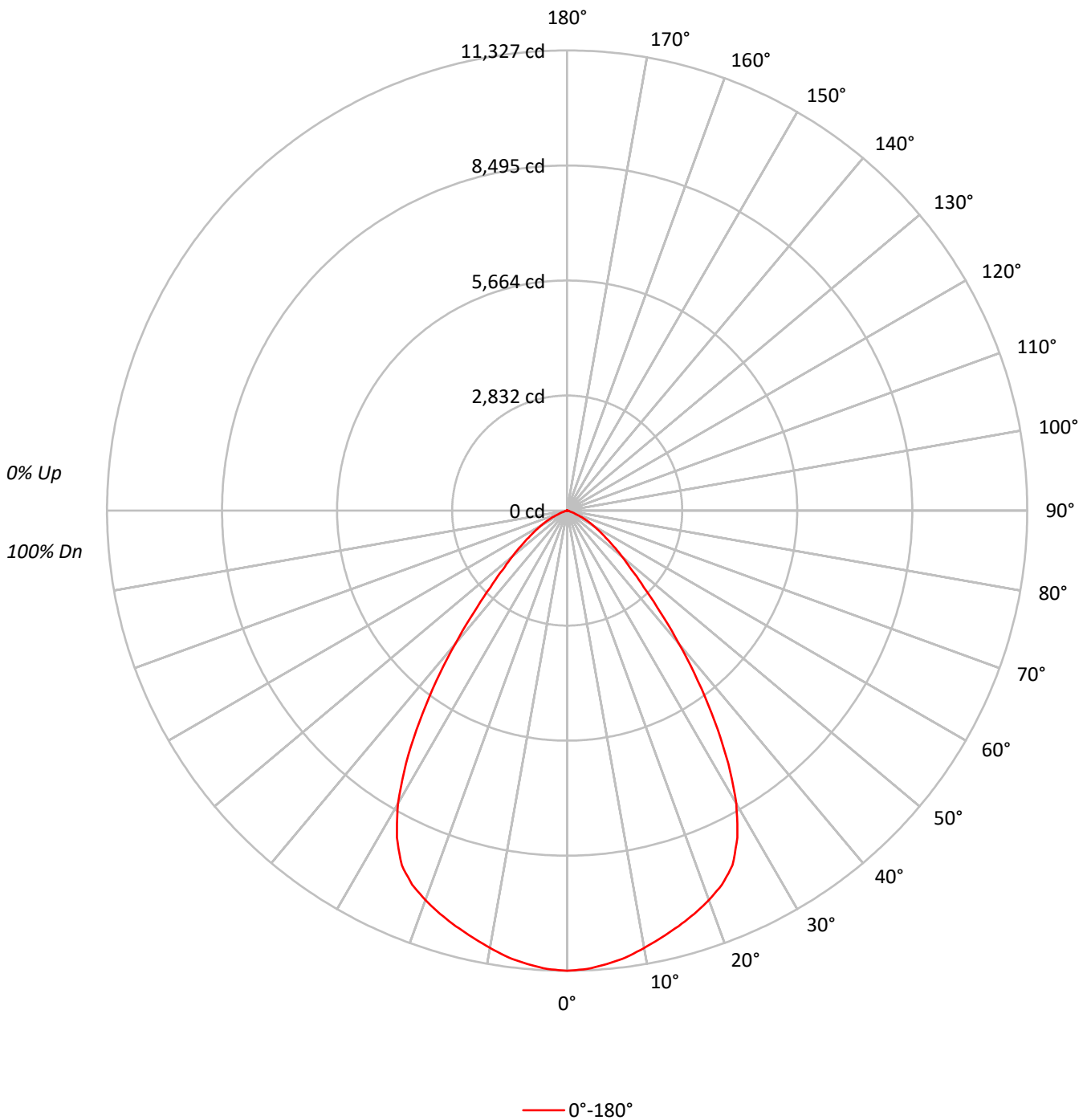
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	349283
5°	346918
10°	342300
15°	338095
20°	334769
25°	327764
30°	296518
35°	238517
40°	172524
45°	116576
50°	84845
55°	62084
60°	46045
65°	30674
70°	13605
75°	6160
80°	4315
85°	5024



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1061.4	6.6
10°-20°	2989.1	18.6
20°-30°	4365.2	27.2
30°-40°	3925.8	24.5
40°-50°	2147.0	13.4
50°-60°	1064.4	6.6
60°-70°	420.3	2.6
70°-80°	67.7	0.4
80°-90°	11.0	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°	8415.7	52.4
0°-40°	12341.5	76.9
0°-60°	15552.9	96.9
0°-90°	16052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16052.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11327	
5°	11208	###
15°	10591	2989
25°	9633	4365
35°	6336	3926
45°	2673	2147
55°	1155	1064
65°	420	420
75°	52	68
85°	14	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11327.0
2.5°	11295.6
5°	11207.5
7.5°	11093.0
10°	10931.9
12.5°	10760.7
15°	10590.6
17.5°	10408.2
20°	10201.6
22.5°	9965.6
25°	9633.3
27.5°	9074.2
30°	8327.6
32.5°	7386.6
35°	6336.1
37.5°	5287.7
40°	4285.9
42.5°	3383.3
45°	2673.2
47.5°	2142.4
50°	1768.6
52.5°	1439.4
55°	1154.8
57.5°	932.9
60°	746.6
62.5°	590.6
65°	420.4
67.5°	250.2
70°	150.9
72.5°	85.1
75°	51.7
77.5°	33.4
80°	24.3
82.5°	8.1
85°	14.2
87.5°	6.1
90°	0.0

(END OF REPORT)