

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: P248009

Luminaire Tested: **LSR8B150D010 EC8B150950 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248009
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 EC8B150950 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14613.0 lumens
Efficiency: N/A
Efficacy: 92.2 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

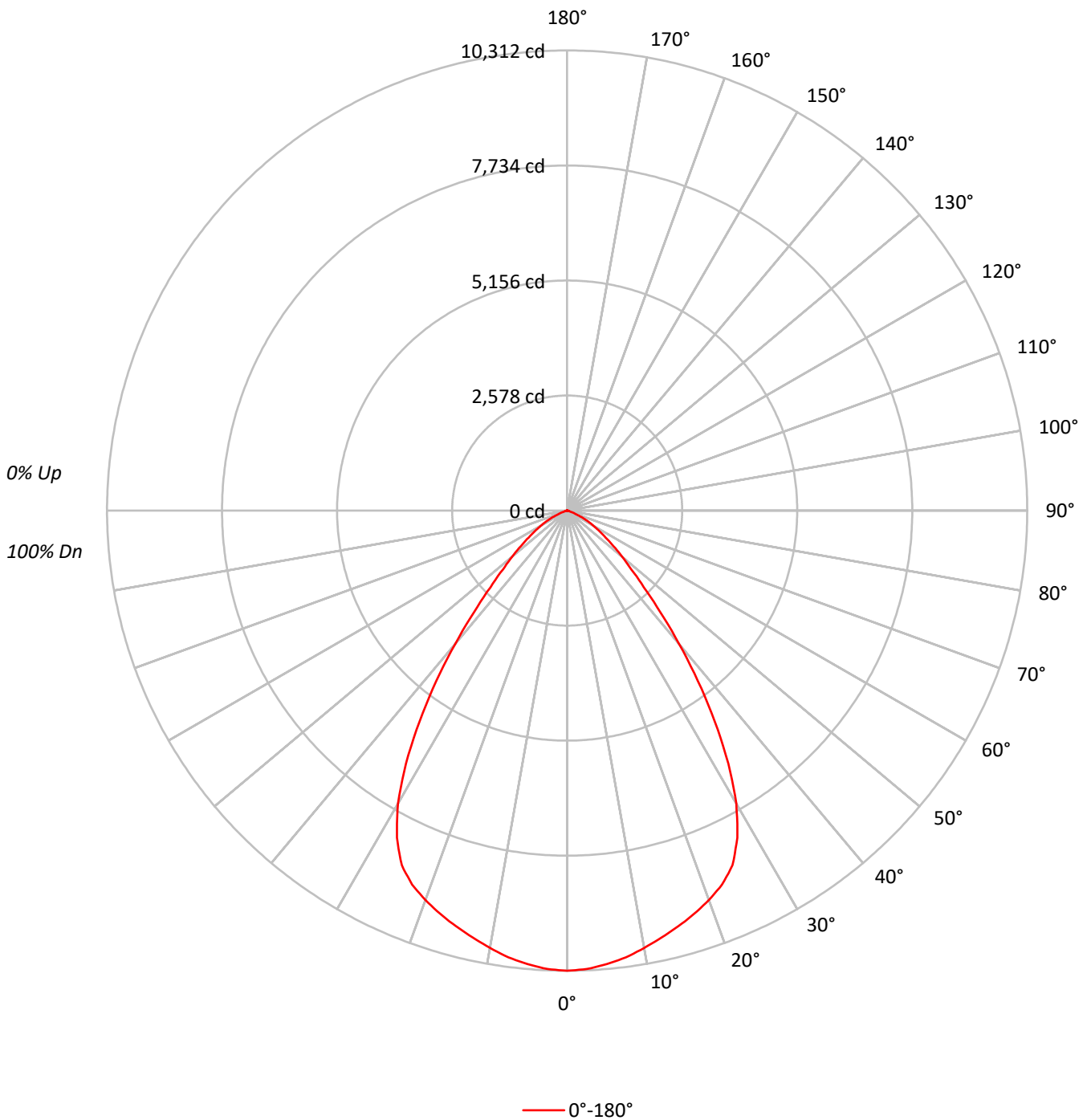
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	317972
5°	315819
10°	311614
15°	307787
20°	304759
25°	298381
30°	269938
35°	217135
40°	157059
45°	106127
50°	77241
55°	56519
60°	41913
65°	27924
70°	12388
75°	5600
80°	3925
85°	4564



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	966.2	6.6
10°-20°	2721.2	18.6
20°-30°	3973.8	27.2
30°-40°	3573.9	24.5
40°-50°	1954.6	13.4
50°-60°	969.0	6.6
60°-70°	382.7	2.6
70°-80°	61.6	0.4
80°-90°	10.0	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°	7661.3	52.4
0°-40°	11235.1	76.9
0°-60°	14158.7	96.9
0°-90°	14613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14613.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10312	
5°	10203	966
15°	9641	2721
25°	8770	3974
35°	5768	3574
45°	2434	1955
55°	1051	969
65°	383	383
75°	47	62
85°	13	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10311.6
2.5°	10283.0
5°	10202.8
7.5°	10098.6
10°	9951.9
12.5°	9796.1
15°	9641.2
17.5°	9475.2
20°	9287.1
22.5°	9072.2
25°	8769.7
27.5°	8260.7
30°	7581.1
32.5°	6724.4
35°	5768.1
37.5°	4813.7
40°	3901.7
42.5°	3080.0
45°	2433.6
47.5°	1950.4
50°	1610.1
52.5°	1310.4
55°	1051.3
57.5°	849.3
60°	679.6
62.5°	537.6
65°	382.7
67.5°	227.8
70°	137.4
72.5°	77.5
75°	47.0
77.5°	30.4
80°	22.1
82.5°	7.4
85°	12.9
87.5°	5.5
90°	0.0

(END OF REPORT)