

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: P248006

Luminaire Tested: **LSR8B150D010 EC8B150940 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248006
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 EC8B150940 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14115.0 lumens
Efficiency: N/A
Efficacy: 89.1 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

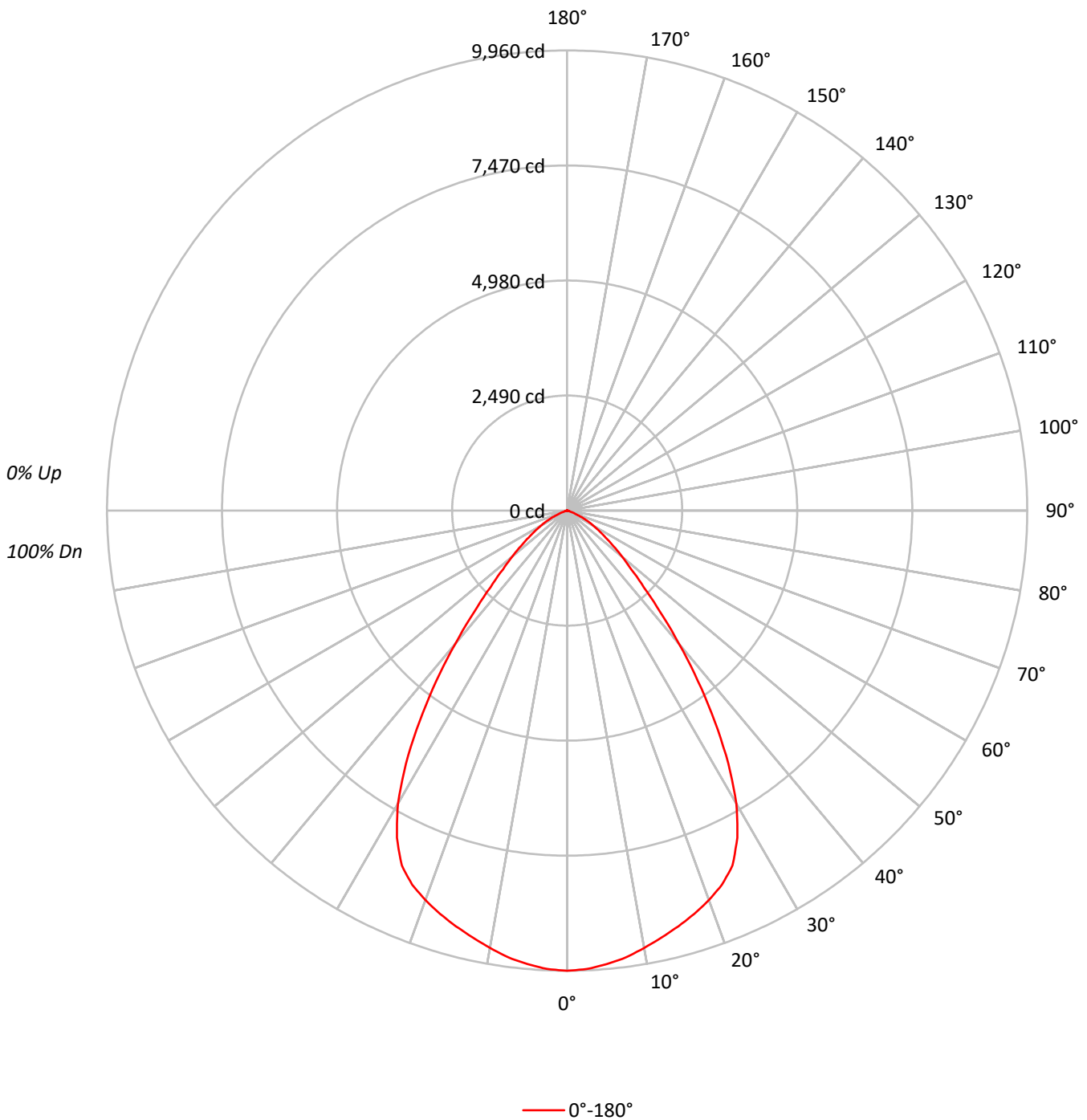
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248006

CATALOG NUMBER: LSR8B150D010 EC8B150940 8LBW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P248006

CATALOG NUMBER: LSR8B150D010 EC8B150940 8LBW0WMH

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°	307136
5°	305056
10°	300996
15°	297296
20°	294373
25°	288215
30°	260737
35°	209735
40°	151705
45°	102508
50°	74607
55°	54589
60°	40488
65°	26975
70°	11964
75°	5409
80°	3800
85°	4423



TEST NUMBER: P248006

CATALOG NUMBER: LSR8B150D010 EC8B150940 8LBW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	933.3	6.6
10°-20°	2628.4	18.6
20°-30°	3838.4	27.2
30°-40°	3452.1	24.5
40°-50°	1887.9	13.4
50°-60°	936.0	6.6
60°-70°	369.6	2.6
70°-80°	59.5	0.4
80°-90°	9.7	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°	7400.2	52.4
0°-40°	10852.2	76.9
0°-60°	13676.1	96.9
0°-90°	14115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14115.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9960	
5°	9855	933
15°	9313	2628
25°	8471	3838
35°	5572	3452
45°	2351	1888
55°	1015	936
65°	370	370
75°	45	60
85°	12	10
90°	0	



TEST NUMBER: P248006

CATALOG NUMBER: LSR8B150D010 EC8B150940 8LBW0WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	9960.2
2.5°	9932.5
5°	9855.1
7.5°	9754.4
10°	9612.8
12.5°	9462.2
15°	9312.6
17.5°	9152.3
20°	8970.6
22.5°	8763.0
25°	8470.9
27.5°	7979.2
30°	7322.7
32.5°	6495.2
35°	5571.5
37.5°	4649.6
40°	3768.7
42.5°	2975.0
45°	2350.6
47.5°	1883.9
50°	1555.2
52.5°	1265.7
55°	1015.4
57.5°	820.4
60°	656.5
62.5°	519.3
65°	369.7
67.5°	220.0
70°	132.7
72.5°	74.8
75°	45.4
77.5°	29.4
80°	21.4
82.5°	7.1
85°	12.5
87.5°	5.3
90°	0.0

(END OF REPORT)