

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: P247995

Luminaire Tested: **LD8B175D010 ER8B175850 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247995
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: LD8B175D010 ER8B175850 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18123.0 lumens
Efficiency: N/A
Efficacy: 102.3 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

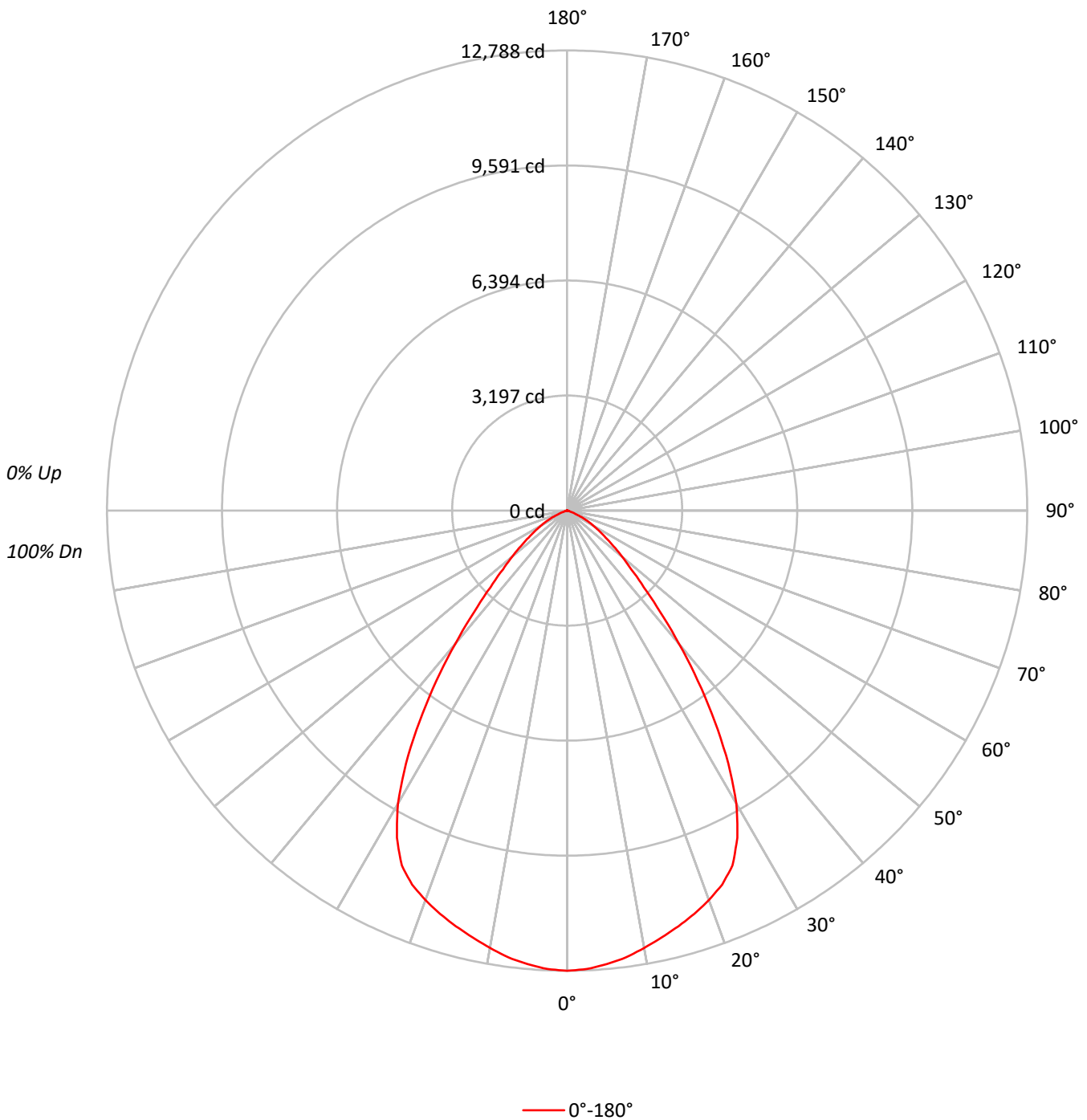
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	394347
5°	391675
10°	386465
15°	381713
20°	377960
25°	370053
30°	334774
35°	269291
40°	194781
45°	131617
50°	95792
55°	70094
60°	51984
65°	34629
70°	15363
75°	6946
80°	4866
85°	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1198.3	6.6
10°-20°	3374.8	18.6
20°-30°	4928.3	27.2
30°-40°	4432.3	24.5
40°-50°	2424.0	13.4
50°-60°	1201.7	6.6
60°-70°	474.6	2.6
70°-80°	76.4	0.4
80°-90°	12.4	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°	9501.5	52.4
0°-40°	13933.8	76.9
0°-60°	17559.5	96.9
0°-90°	18123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18123.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12788	
5°	12653	###
15°	11957	3375
25°	10876	4928
35°	7154	4432
45°	3018	2424
55°	1304	1202
65°	475	475
75°	58	76
85°	16	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12788.4
2.5°	12752.9
5°	12653.4
7.5°	12524.2
10°	12342.4
12.5°	12149.1
15°	11956.9
17.5°	11751.1
20°	11517.8
22.5°	11251.3
25°	10876.2
27.5°	10244.9
30°	9402.0
32.5°	8339.6
35°	7153.6
37.5°	5969.9
40°	4838.8
42.5°	3819.8
45°	3018.1
47.5°	2418.8
50°	1996.8
52.5°	1625.1
55°	1303.8
57.5°	1053.3
60°	842.9
62.5°	666.8
65°	474.6
67.5°	282.5
70°	170.4
72.5°	96.1
75°	58.3
77.5°	37.7
80°	27.4
82.5°	9.1
85°	16.0
87.5°	6.9
90°	0.0

(END OF REPORT)