

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: P247992

Luminaire Tested: **LD8B175D010 ER8B175840 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247992
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 ER8B175840 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17775.0 lumens
Efficiency: N/A
Efficacy: 100.3 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

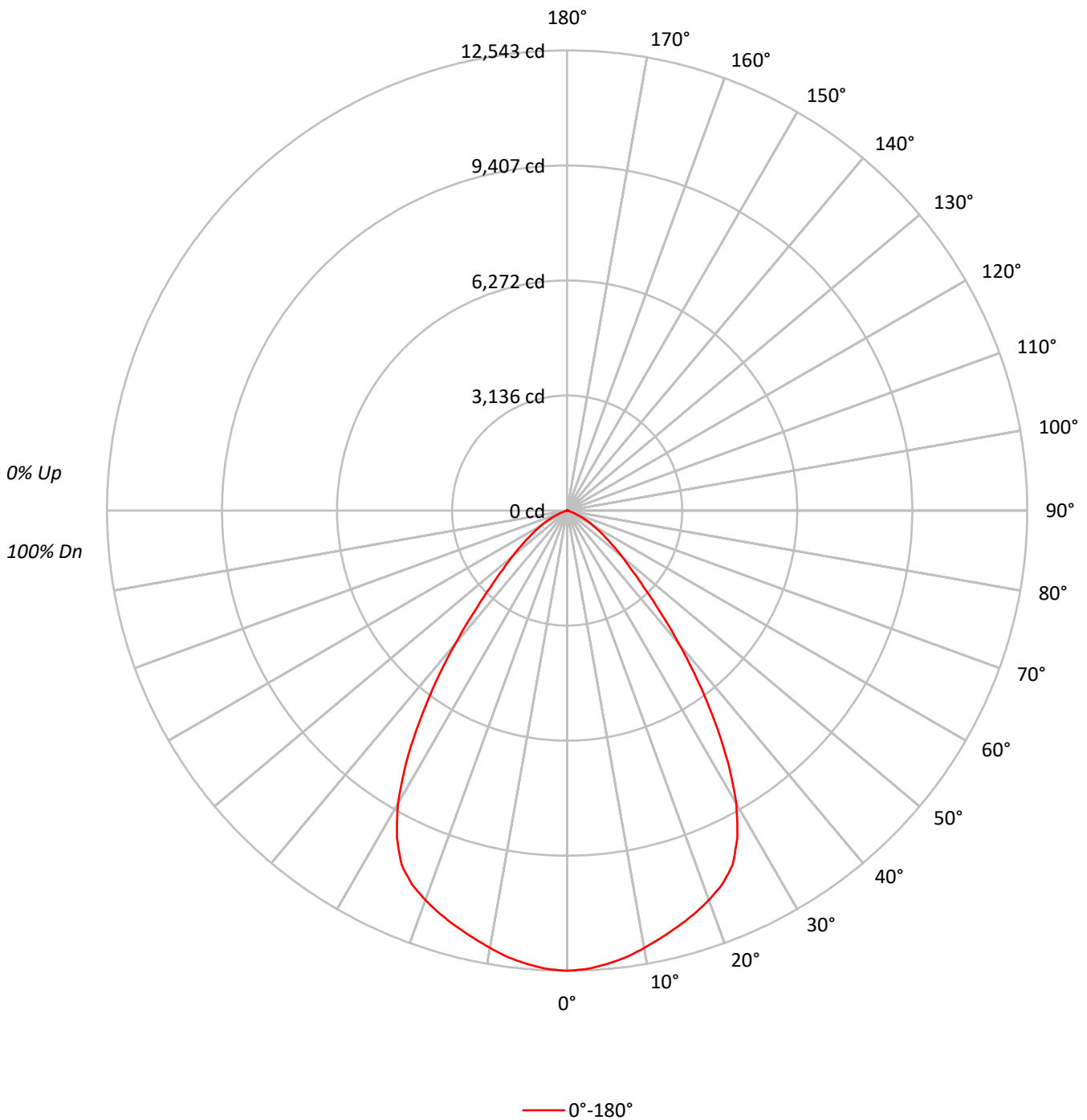
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	386774
5°	384156
10°	379044
15°	374384
20°	370702
25°	362945
30°	328347
35°	264119
40°	191041
45°	129092
50°	93955
55°	68745
60°	50985
65°	33965
70°	15066
75°	6815
80°	4777
85°	5555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1175.3	6.6
10°-20°	3310.0	18.6
20°-30°	4833.7	27.2
30°-40°	4347.2	24.5
40°-50°	2377.5	13.4
50°-60°	1178.7	6.6
60°-70°	465.4	2.6
70°-80°	75.0	0.4
80°-90°	12.2	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°	9319.0	52.4
0°-40°	13666.2	76.9
0°-60°	17222.4	96.9
0°-90°	17775.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17775.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12543	
5°	12410	###
15°	11727	3310
25°	10667	4834
35°	7016	4347
45°	2960	2377
55°	1279	1179
65°	466	465
75°	57	75
85°	16	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12542.8
2.5°	12508.0
5°	12410.5
7.5°	12283.7
10°	12105.4
12.5°	11915.8
15°	11727.3
17.5°	11525.4
20°	11296.6
22.5°	11035.3
25°	10667.3
27.5°	10048.2
30°	9221.5
32.5°	8179.4
35°	7016.2
37.5°	5855.3
40°	4745.9
42.5°	3746.5
45°	2960.2
47.5°	2372.4
50°	1958.5
52.5°	1593.9
55°	1278.7
57.5°	1033.1
60°	826.7
62.5°	653.9
65°	465.5
67.5°	277.1
70°	167.1
72.5°	94.2
75°	57.2
77.5°	37.0
80°	26.9
82.5°	9.0
85°	15.7
87.5°	6.7
90°	0.0

(END OF REPORT)