

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: P247839

Luminaire Tested: **LD8B175D010 ER8B175827 8LBMOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175827 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17582.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

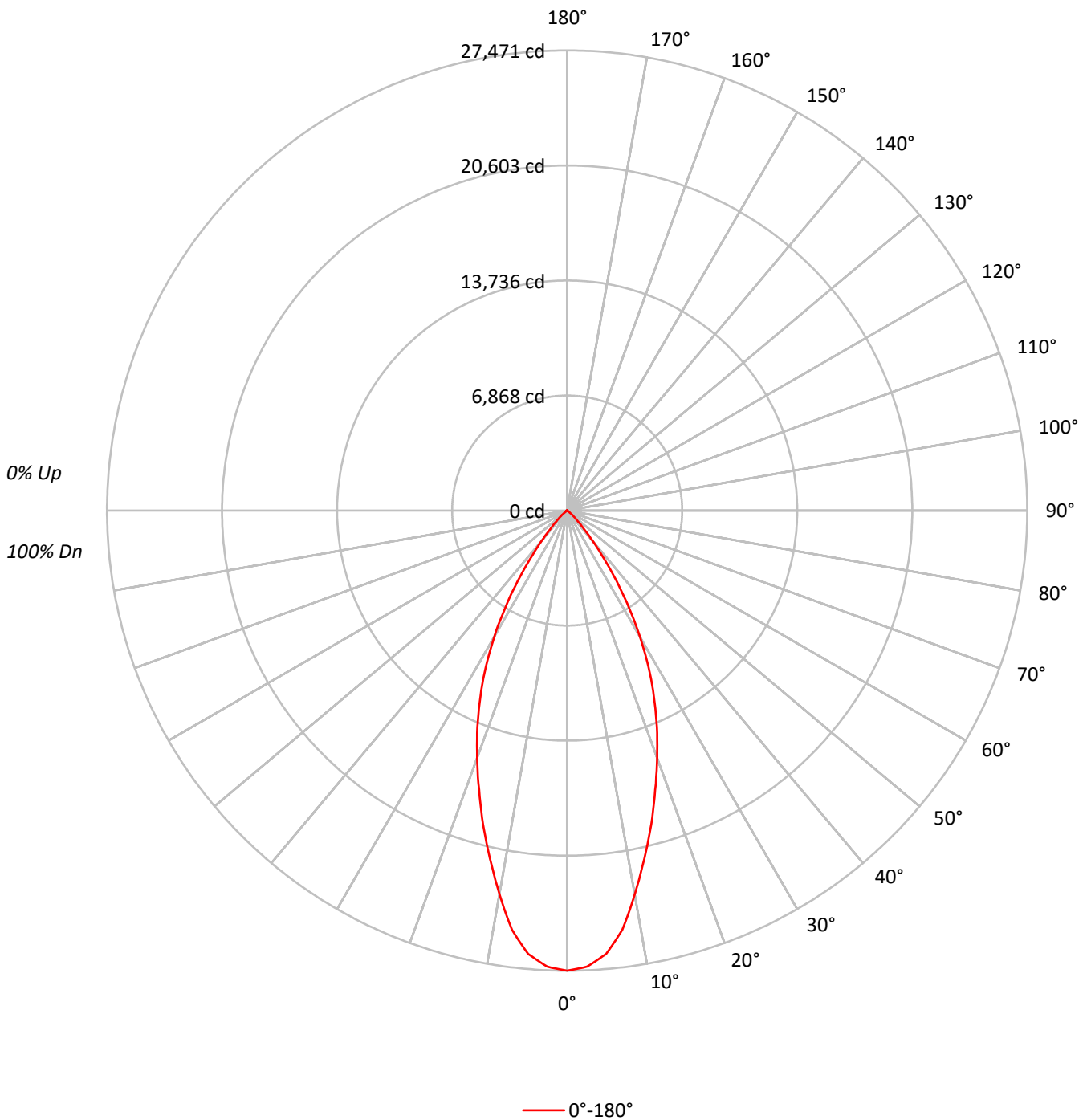
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	86	82	88	84	81		86	83	80		84	81	79	78
5	94	86	81	77	92	85	80	76	83	79	76		82	78	75		80	77	74	73
6	90	81	76	72	88	80	75	71	79	74	71		78	73	70		76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67		74	69	66		73	69	66	65
8	82	73	67	63	80	72	67	63	71	66	63		70	66	62		69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59		67	62	59		66	62	59	58
10	75	66	60	56	74	65	60	56	64	59	56		64	59	56		63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	847104
5°	822800
10°	728180
15°	618932
20°	515329
25°	416761
30°	309732
35°	193333
40°	95205
45°	40277
50°	14584
55°	4500
60°	2418
65°	1007
70°	1055
75°	250
80°	373
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2431.1	13.8
10°-20°	5392.6	30.7
20°-30°	5570.7	31.7
30°-40°	3247.6	18.5
40°-50°	813.8	4.6
50°-60°	98.6	0.6
60°-70°	20.6	0.1
70°-80°	2.7	0.0
80°-90°	4.4	0.0
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°	13394.4	76.2
0°-40°	16641.9	94.7
0°-60°	17554.4	99.8
0°-90°	17582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17582.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27471	
5°	26581	###
15°	19388	5393
25°	12249	5571
35°	5136	3248
45°	924	814
55°	84	99
65°	14	21
75°	2	3
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	27471.0
2.5°	27258.1
5°	26581.3
7.5°	25248.9
10°	23255.6
12.5°	21281.3
15°	19387.6
17.5°	17487.5
20°	15703.9
22.5°	13990.2
25°	12249.0
27.5°	10517.3
30°	8698.7
32.5°	6904.5
35°	5135.8
37.5°	3608.5
40°	2365.1
42.5°	1490.2
45°	923.6
47.5°	563.5
50°	304.0
52.5°	148.3
55°	83.7
57.5°	45.5
60°	39.2
62.5°	27.5
65°	13.8
67.5°	16.9
70°	11.7
72.5°	0.0
75°	2.1
77.5°	1.1
80°	2.1
82.5°	3.2
85°	0.0
87.5°	11.7
90°	0.0

(END OF REPORT)